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ABSTRACT

The implementation tasks listed in this guide are those considered important for a smooth operation of the Fort Lincoln Elementary School. To accomplish these tasks, some models or suggested procedures have been devised. The models and procedures are contained in several different volumes on Fort Lincoln. A complete list of all Fort Lincoln documents is located in this volume. Summarized are implementation tasks, equipment and supplies, budget and purchase lists, book lists and testing. (For related documents see ED 047 171 through ED 047 188.) (Author/ON)

ED 047 183

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GENERAL LEARNING CORPORATION  
EDUCATIONAL SERVICES DIVISION

**Guide to Implementation  
of the  
Fort Lincoln Elementary Education Plan**

**April 6, 1970  
Educational Services Division  
General Learning Corporation  
5151 Wisconsin Avenue  
Washington, D. C. 20015**

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## INTRODUCTION

## INTRODUCTION

Prior to the opening of Fort Lincoln Elementary School, a number of tasks will be completed by the Staff Development Coordinator and others involved in preparation for Phase I. The tasks listed on the following pages are those considered to be important for smooth operation of the school. However, not all of the tasks are essential, and staff members may wish to redefine or eliminate some tasks.

To accomplish these tasks, some models or suggested procedures have been devised. The models and procedures are contained in several different volumes on Fort Lincoln. A complete list of all Fort Lincoln documents is located in this volume. Some tables of contents from these reports are included.

In preparation for Phase I, staff members will need to know first what remains to be done and where models or suggestions for accomplishing these tasks are located.

Remaining Planning Tasks*	Location of Tools Available for Task Completion
<p><u>Related to Objectives</u></p> <p>Review and revise all objectives.</p> <p>Prepare intermediate objectives for health and physical education.</p> <p>Assign levels of proficiency to objectives which specify measurable behaviors. Define "how well" a student should perform on an objective.</p>	<p><u>Objectives for Fort Lincoln Elementary School</u></p> <p><u>Objectives for Fort Lincoln Elementary School</u></p> <p>See communications skills, objective #2 as an example in <u>Objectives for Fort Lincoln Elementary School</u>.</p>
<p><u>Related to Testing</u></p> <p>Prepare criterion test items for measuring progress on objectives.</p> <p>Develop tests for student assessment of progress on objectives.</p> <p>Administer diagnostic tests to future students.</p>	<p><u>Guide to Implementation</u> section on Testing</p> <p><u>Guide to Implementation</u>, Testing section contains models, procedures, and tests recommended for use.</p> <p><u>Guide to Implementation</u>, section on Testing.</p>
<p><u>Relating to Equipment and Facilities</u></p> <p>Review recommended lists of equipment, supplies, books, tests and prepare final order for opening of school.</p> <p>Organize storage of equipment and prepare physical environment for school opening.</p>	<p>Equipment List and Book List contained here in Equipment, Supplies, and Budget Section. See also Midterm Report, Volume I, Section 1.5, Selection of Materials.</p> <p>Midterm Report, Volume II, Section Three dimensional floor plan</p>
<p><u>Relating to Administration and Scheduling</u></p> <p>Plan procedures for checking attendance, buying lunch, obtaining parental permission for trips.</p>	

\* Staff training activities are contained in Midterm Report, Volume II, Section 2.8.1.3.



Location of Tools Available  
for Task Completion

Relating to Administration and Scheduling cont.

Select and revise and duplicate forms; prepare blank student folders.

Sample Forms. Midterm Report, Volume I, Appendix J.  
Summary of Forms and Procedures, Midterm Report, Volume I, Section 1.11.1.

Schedule teacher time.

Midterm Report, Volume II, Section

Plan and schedule activities for the opening days of school.

Midterm Report, Volume I, Section 1.12, Suggestions for the Opening of School.

Relating to Community

Identify and become acquainted with human and material resources in the community.

Determine procedures for requesting, receiving, and evaluating volunteers.

Prepare Parents Handbook.

Outline contained in Midterm Report, Volume I, Appendix C.

Relating to Materials

Work individually with curriculum programs not familiar to teachers and paraprofessionals.

Descriptions Book and materials themselves.

Incorporate additional ideas, materials, and activities in the Activity Book.

Activity Book

Relating to Staff

Form task forces to complete jobs which need to be done before school opens, select team leaders.

Midterm Report, Volume II, Section 2.8.1.2.

Select stage representatives.

Midterm Report, Volume II, Section 2.3.1.1.

Prepare staff folders which will contain records and information relating to staff development.

Midterm Report, Volume II, Section 2.8.

Location of Tools Available  
for Task Completion

Relating to Staff cont.

Develop a form or procedure for staff evaluation which will satisfy external demands of D. C. Public Schools.

Develop a procedure of staff evaluation which will allow parents, students, other staff members, and the teacher himself to assess his progress at Fort Lincoln.

Relating to Stage I

Stage I teachers will need to devise a system to keep a daily record of vocabulary development for each child.

Stage I placement summary sheet lists requirements for advancement to Stage II. Teachers might want to choose Discovery Objectives that reflect these requirements and check these as minimum required objectives. Transfer to "Basic Learning Skills Checklist" (see below).

Complete Basic Learning Skills Checklist. Indicate required skills. (see above).

See "Vocabulary Checklist," Volume I, Appendix I, Figure K.

Stage I Summary Placement Sheet, Mid-term Report, Volume I, Appendix I, Figure E-1.

Intermediate Discovery Objectives, Objectives Book.

Guidelines for selecting required objectives in Guide to Implementation.

Basic Learning Skills Checklist model, Midterm Report, Volume I, Appendix I, Figure J.

Guidelines for Basic Learning Skills checklist are contained in the Guide to Implementation.

FORT LINCOLN REPORTS  
AND  
PLANNING DOCUMENTS

Volumes on Fort Lincoln	Description	Useful To
<u>Planning Documents</u>		
Preliminary Educational Specifications for the First Facility, April 22, 1969	Outline of contract between General Learning Corporation and D. C. Public Schools.	Special Projects
Comprehensive Planning for an Educational System, Revised Volume and Appendices, Volumes I and II, August 7, 1969	A definition summary describing the process of planning the Fort Lincoln Elementary School. Appendices contain background information including community opinion survey for area near Fort Lincoln.	Special Projects; interested teachers
<u>Other Documents</u>		
Midterm Report, Volume I*	The Education plan for the first facility.	Phase I staff; interested teachers
Midterm Report, Volume II*	The Facility, Funding, and Implementation plans for the first facility.	Special Projects; interested teachers
Midterm Report, Volume III	The Organization/Staffing, Operations, and Community Participation plan for first facility.	Community, teacher administration
Secondary Program and Appendices	Plans for the secondary education facilities.	Teachers/planners to school opening; interested teachers
Comprehensive Plan*	Summaries of elementary and secondary plans. System organization and evaluation, and master planning.	Special Projects; Go distribution when effective summaries are ready.
Objectives for the Fort Lincoln Elementary School*	Terminal and Intermediate performance objectives for all subject areas.	Phase I staff; teach students/parents
Activity Book*	Listing of all recommended equipment and activities keyed to the appropriate objective.	Phase I staff; teach students
Descriptions Book*	Major pieces of instructional materials recommended for Fort Lincoln Elementary School.	Phase I staff; Copy Resource Center
Idea Book*	Collection of creative ideas in which to involve students.	Teachers; Copy for Resource Center
Guide to Implementation*	Remaining tasks and pertinent information for planning prior to opening of first facility. Discussion of equipment, supplies, budget, and testing materials.	Phase I staff; Copy Resource Center

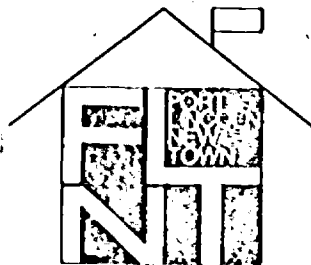
COMPREHENSIVE PLANNING  
FOR AN EDUCATION SYSTEM

FORT LINCOLN NEW TOWN

Negotiated Services Contract #69183

Report #2 DEFINITION SUMMARY

August 7, 1969  
Revised



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FOR AN EDUCATION SYSTEM

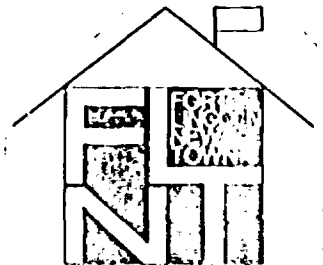
FORT LINCOLN NEW TOWN

Negotiated Services Contract #69183

Report #2 DEFINITION SUMMARY

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Volume 1

August 7, 1969  
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General Learning Corporation  
5151 Wisconsin Avenue  
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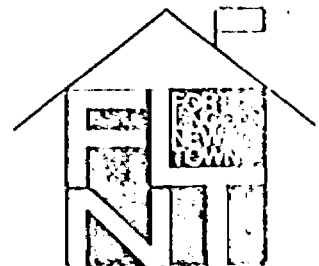
GENERAL LEARNING CORPORATION  
FORT LINCOLN NEW TOWN

MIDTERM REPORT  
REVISED

NEGOTIATED SERVICES  
CONTRACT # 69183

REPORT #3  
VOLUME 1

APRIL 6, 1970



## PREFACE

This report is a description of the OPEN PLAN for the Fort Lincoln New Town Education System. It describes the steps that must be taken between now and the opening of the First Facility as well as the processes involved in implementing and conducting the high quality education system mandated by the District of Columbia School System.

The OPEN PLAN actually consists of seven separate plans. They are described in three separate volumes:

- |                   |                                 |
|-------------------|---------------------------------|
| <u>Volume I</u>   | 1. Education Plan               |
| <u>Volume II</u>  | 2. Organization/Staffing Plan   |
|                   | 3. Operations Plan              |
|                   | 4. Community Participation Plan |
| <u>Volume III</u> | 5. Facilities Plan              |
|                   | 6. Funding Plan                 |
|                   | 7. Implementation Plan          |

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## EQUIPMENT, SUPPLIES, BUDGET

## INVESTMENT

## Investment Capitalized and Non-Capitalized

	Classroom			Office			Classroom	
	Budgeted	Allocated	Not Alloc.	Budgeted	Allocated	Not Alloc.	Budgeted	Alloc.
Stage I	23,150.00			350.00			4,630.00	3,513
AV Equipment		12,442.00	10,708.00				3,100.00	3,000
\$25/student								
AV Software								
\$90/student								
Inst. Materials								
Musical Instr.							150.00	9
\$10/student								
Arts & Crafts								
Indoor/Outdoor							750.00	441
\$15/student								
Facts								
Books								
Resource Center								
Teletype								
\$1.50/student								
Supplies (student								
purchase)								
Stationery & Ofc. Eq.					0	350.00		
Surplus							630.00	0


26

[illegible]

Classroom			Office		
Budgeted	Allocated	Not Alloc.	Budgeted	Allocated	Not Alloc.
4,630.00	3,543.05	1,086.95	49.00		
3,100.00	3,000.00	100.00			
150.00	98.40	51.60			
750.00	444.65	305.35			
				0	40.00
630.00	0	630.00			



Loc.	Classroom			Office			
	Budgeted	Allocated	Not Alloc.	Budgeted	Allocated	Not Alloc.	
	35,030.00	3,010.50	29,019.50	300.00			Stage I
							AV Equipment
	6,125.00	1,198.25	4,926.75				AV Software
	15,750.00	3,833.50	11,916.50				Inst. Materials
							Musical Instruments
	1,750.00	0	1,750.00				Arts & Crafts
							Indoor/Outdoor
	2,625.00	198.75	2,426.25				Tests
	2,000.00	approx. 780.00	1,220.00				Books
	5,000.00	0	5,000.00				Resource Center
							Teletype
	90.00	0	90.00				Supplies (Student purchase)
0.00					0	300.00	Stationery & Ofc. Equipment
	1,690.00	0	1,690.00				Surplus




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## INVESTMENT

### Equipment Capitalized and Non-Capitalized

	<u>Classroom</u>			<u>Office</u>			<u>Class</u>	
	Budgeted	Allocated	Not Alloc.	Budgeted	Allocated	Not Alloc.	Budgeted	Alloc.
Stage II	26,260.00			350.00			5,250.00	3,282
V Equipment		17,982.00	8,278.00				3,100.00	3,090
\$32/student								
W Software								
\$75/student								
Ext. Materials								
Musical Instr.							300.00	192
\$10/student								
Arts & Crafts								
Labor/Outdoor							750.00	0
\$15/student								
Tests								
Books								
Resource Center								
Teletype								
\$2/student								
Supplies (student purchase)								
Stationery & Ofc. Eq.					0	350.00		
Surplus							1,100.00	0




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Loc.	Classroom			Office			
	Budgeted	Allocated	Not Alloc.	Budgeted	Allocated	Not Alloc.	
	41,470.00	18,267.43	23,202.57	300.00			Stage II
							AV Equipment
	7,520.00	4,956.95	2,563.05				AV Software
	17,025.00	11,910.48	5,714.52				Inst. Materials
							Musical Instr.
	2,300.00	0	2,300.00				Arts & Crafts
							Indoor/Outdoor
	3,525.00	0	3,525.00				Tests
	2,000.00	1,400.00	600.00				Books
	6,000.00	0	6,000.00				Resource Center
							Teletype
	470.00	0	470.00				Supplies (student purchase)
00					0	300.00	Stationery & Ofc. Equipment
	2,030.00	0	2,030.00				Surplus



ERIC  
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Loc.	Classroom			Supplies			
	Budgeted	Allocated	Not Alloc.	Budgeted	Allocated	Not Alloc.	
	47,910.00	19,561.74	28,348.26	300.00			Stage III-IV
							AV Equipment
	8,990.00	6,574.36	2,415.64				AV Software
	18,850.00	10,147.38	8,702.62				Inst. Materials
							Musical Instr.
	2,900.00	0	2,900.00				Arts & Crafts
	800.00	0	800.00				Indoor/Outdoor
	4,350.00	0	4,350.00				Tests
	3,000.00	1,400.00	1,600.00				Books
	7,000.00	0	7,000.00				Resource Center
	1,440.00	1,440.00	0				Teletype
	550.00	0	550.00				Supplies
0.00					0	300.00	Stationery & Ofo. Equipment
							Surplus
relating							
nds in 1965							
st year only.							

## GUIDE TO EQUIPMENT AND SUPPLIES BUDGET FOR EDUCATION PLAN

### INTRODUCTION

This budget (see facing pages) is confined to equipment and supplies (classroom and office) for Stages I, II, and III-IV. The first six columns relate to Investment expenditures. The remaining columns relate to Operating expenditures.

The figures in the "budgeted" columns of the line marked "Stage I" (first horizontal line) are taken from the printout contained in the Funding Plan, Midterm Report, Volume III, Section 6, Appendix A.

The columns headed "allocated" contain the total costs for items recommended for purchase to prepare the school for opening. The columns headed "not allocated" contain the total amounts of money available to Ft. Lincoln staff for purchase of equipment and supplies during Phase I and/or throughout the school year.

Other cost categories contained in the operating budget as recorded in the Funding Plan printout which relate directly to the instructional program are listed below with the amount allocated for each stage. No money has been allocated from any of these categories.\*

	Stage I	Stage II	Stage III-IV
<u>Category</u>			
Communications, Printing, Facilities			
Communications	750	750	750
Printing and Reproduction	750	750	750
Facility Rental	-	-	-
Travel			
In-town, Professional	40	60	80
In-town, Student	310	350	1,160
Out of town, Professional	590	890	1,180

\* See Midterm Report, Volume III, pages 6-16 and 6-17 for a description of each category.

	Stage I	Stage II	Stages III-IV
Consultants and Contracts			
Consultants	2,310	2,310	2,310
Contracts	8,500	5,500	6,000

It is recommended that decisions affecting the expenditures of these funds be made by the staff of each stage during Phase I and/or school operation.

### DEFINITION OF CATEGORIES

Audiovisual Equipment includes all electric or manual devices for presentation or manipulation: projectors, tape-recorders, typewriters, cameras, teaching machines, etc. For a detailed discussion of this category and an itemized list of recommended purchases see Exhibit A.

Audiovisual Software includes all materials which are presented or manipulated using the above devices. These materials are itemized under the headings shown in Exhibit B. Exhibit B also shows how the budgeted figures and dollar/student ratios for each stage were determined. See the Equipment List for an itemized list of recommended purchases.

Instructional Materials includes games, toys, puzzles, charts, self-instructional programs (including those designed for machine presentation), and other printed materials except books. For convenience, materials are arranged according to subject area for all stages except Stage I. Exhibit C shows the allocated expenditures by subject area and by category (AV Software or Instructional Materials). See the Equipment List for specific items.

The varying dollar/student ratios among the stages are based on the assumption that younger students have a greater need for concrete, manipulative materials. As their ability to handle abstractions increases with age, experience, and learning, this need decreases. By Stage III and Stage IV, students are engaging in projects that require little commercial material or are working on activities requiring reference

to books and other nonconsumable information sources in the Resource Center, the school, and the community.

The items included under the heading Musical Instruments were taken from the minimum standard list in Equipment and Supplies, a catalogue of tested and approved materials for elementary school use published annually by the Association for Childhood Education International (ACEI). It represents the number of instruments required if 45 Stage I children participate simultaneously. In Stage II and Stage III-IV the number of children was raised to 65. See the Equipment List for specific items.

The instruments contained on the list are primarily rhythm instruments designed for use in groups. It is recommended that consideration be given to a program of instruction and performance on standard band and orchestra instruments as the specific interests of students are identified and financial and human resources to equip and staff such a program become available.

Arts and Crafts contain all reusable and consumable materials required for creative expression: paint, brushes, paper, scissors, paste, yarn, cloth, clay, etc. The itemized list is drawn from the minimum standard recommended by ACEI. Quantities recommended by ACEI are for 20 children in Stage I, 25 children in Stage II, and 30 children in Stage III-IV. The items included in the Equipment List are standard school supplies. Quantities required for Stage I were calculated and costed to obtain a "budgeted" figure. The resulting figure was approximately \$10/student. This figure was applied to the other stages, but exact costs were not calculated. The Equipment List contains only a minimum standard list of arts and crafts supplies recommended by ACEI.

Indoor/Outdoor Apparatus refers to the climbing structures, games, and



equipment that encourage large muscle activity. See the Equipment List for specific items.

The allotment for Tests will cover purchase of commercial tests for student use, system evaluation, and diagnosis. It may also be used for scoring services and for teacher development of tests related specifically to behavioral objectives, both terminal and intermediate.

The category designated Library has two subheadings. The subheading, Books, refers to books purchased for use in a particular stage. The subheading, Resource Center, indicates the portion allocated for the purchase of books, AV hardware and software, and graphics production equipment and material that would be selected, maintained, and distributed by the staff of the Resource Center according to policies planned in conjunction with representatives of each stage.

The amount allocated in this operating budget totals \$18,000. This should be adequate to stock the Resource Center with books to the minimum standards recommended by the American Library Association.\* In future years this figure may be reduced as the Resource Center collection reaches and surpasses the standards for all media recommended in Standards for School Media Programs prepared by the American Association of Librarians and the Department of Audiovisual Instruction of the National Education Association.\*\*

Exhibit D describes how the selection of books for stages and Resource Center has been coordinated. See the Book List for specific books.

Supplies is a special category established to assure that funds would be available to permit student purchase of materials. Students may spend their portion individually or may elect to pool their funds to buy an item selected by the group.

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\* Books for Elementary School Libraries, An Initial Collection. Compiled and edited by Elizabeth D. Hodges, Chicago: 1969.

\*\* 1969. See especially pages 30-33 and 45-49.

Stationery and Office Equipment contains the items required for clerical and administrative activities in each stage. No attempt has been made to prepare a list of items recommended for purchase, but ACEI's minimum standard has been included in the Equipment List as a checklist.

A Surplus remained in each stage after all money for classroom supplies had been budgeted. This amount may be used in any classroom supply category at the discretion of the stage staff.

(Caution: Some upward adjustment in allocated amounts in all categories should be made to allow for price increases.)

Exhibit A

Description of  
Audiovisual Hardware Equipment List

The attached list contains all items of audiovisual equipment that are recommended for purchase for the opening of the first facility at Fort Lincoln. It should not be construed as inclusive or final, but subject to additions and revisions as new data and experience indicate.

In all likelihood more pieces of certain types of equipment will be necessary, and some items recommended for purchase, but not listed here may be added either before school opens or during subsequent years of operation. These items are as follows:

- Single concept film loop viewer
- AM/FM radio
- Microprojector
- Microphone and amplifier
- Hand adding machine
- Still cameras
- Movie cameras

The models specified in column two are taken from recommendations for audiovisual equipment prepared by Grabowski Associates to meet these criteria:

- Durability
- Ease of operation
- Availability of service
- Not likely to be soon outmoded
- Operates satisfactorily without elaborate modification of classroom conditions

These recommendations should be used only as guidelines for final selection of equipment for purchase. Wherever possible the approximate price in parentheses follows each model name. The prices were taken from the 1969 Audio-Visual Equipment Directory.

The costs for AV equipment purchase have been assigned to the investment budget except where indicated (see detailed budget sheets for total AV expenditures by stage).

## EXHIBIT A

## Audio Visual Hardware

Stage I  
(175 students)Stage II  
(225 students)Stage III - IV  
(210 students)

Item	Suggested Models and Prices		Unit		Total		Total		Total	
			Cost	No.	Cost	No.	Cost	No.	Cost	No.
Record player - 2 speed with jack and earphones	Audiotronics ATC - 200 T (\$75) or Newcomb AVT - 20 (\$85)		75	3	225	3	225	3	225	3
Tape Recorders										
Portable audio tape	RCA EDT - 500 (\$265) or Wollensak/3M 1520 AV (\$200)		265			1	265*	1	265*	1
Cassette Tape Recorder	Norelco 150 (\$60) or Wollensak/3M 4200 (\$75)		60	8	480	10	600**	8	480**	8
Playback only	Norelco Instructor 21		30	4	120	10	300	4	120	4
Cassette Tape Recorder (Desk type)	Audiotronics ATC 120 Cassette (\$150) or Norelco 350-3 (\$2)		150	1	150					
Language Master or Audio Flash Card	Bell and Howell Electronic Futures		250	4	1000	10	2500**	3	750**	3
Projectors										
Light Sound	Bell and Howell 552 Autoload filmsound (\$770) or RCA 1600 Automatic Threading (\$725)		770	1	770	2	1540	2	1540	2
Silent	Eastman Kodak M70 (\$150) or Bell and Howell 466Z Autoload		150	1	150					
Sound	Deane 2-A (\$550) or Eastman Kodak M100A (\$575)		550	1	550	2	1100	2	1100	2

\* Assigned to Operating Budget: Equipment, Capitalized

\*\* Assigned to Operating Budget: Classroom Supplies

Audio Visual Hardware

Stage I  
(175 students)

Stage II  
(235 students)

Stage III - IV  
(250 students)

Item	Suggested Models and Prices	Unit		Total		Total		Total	
		Cost	No.	Cost	No.	Cost	No.	Cost	No.
Slide 2 X 2 Projector	Kodak 800 Carousel (\$170) or Ehrenreich NIKKORMAT Autofocus (\$150)	170	1	170	2	340**	2	340**	2
Individual Viewer	GAF Panavue Automatic R	10	1	10	3	30	4	40	4
Filmstrip Silent	Standard 500 RR (\$90) or Graflex 500 (\$120)	90	2	180	2	180	3	270	3
Sound	Dekane LIA 500D Auto Flipstop with earphones	235	1	235	2	470	2	470	2
Individual	Viewlex Previewer Jr. No. 2 (\$20) or Hudson Photographic Industries Prima Projector (\$20)	20	3	60	12	240	13	300	13
Opaque	Projection Optics OPA-SCOPE 20000 (\$325) or Desaler Vu-Lyte III 12300 (\$360)	325	1	325*	1	325*	1	325*	1
Overhead	Projection Optics 21100 (\$215) or Wilson 2200E (\$200)	215	1	215	2	430	3	645	3
Single Concept Projector	Technicolor 1000A (\$300) or Auction 41 (\$310)	300	3	900	5	1500*	6	1800*	6

\* Assigned to Operating Budget: Equipment, Capitalized

\*\* Assigned to Operating Budget: Classroom Supplies

Audio Visual Hardware

Stage I  
(175 students)

Stage II  
(205 students)

Item	Suggested Models and Prices		Unit		Total		Total	
	Cost	No.	Cost	No.	Cost	No.	Cost	
Viewmaster	2	8	16	12	24	6	12	
Video Tape Recorder with Monitor & Tripod	1500	3	4500	3	4500	4	6000	
Model 884 Viewer	125	1	125	4	500	1	125	
Educational Projections								
Television Receivers	125	1	125	1	125	2	250	
	400	1	400	1	400	1	400	
Black and white with UHF Color with UHF								
Miscellaneous	20	36	720	36	720	42	900	
Video Tape			100		150		150	
Spare Parts			50	2	100	2	100	
Screen	50	1	50	3	150	3	150	
Projection Stands	500	6	3000	6	3000	6	3000	
Extension cords								
Typewriters								
Primary	500	1	500	1	500	1	500	
Electric	500	1	500	2	1000	2	1000	
Standard	250	8	2000	8	2000	10	2500	
Telephones								
9902 Knowledge Aid		5						
Listening Center								
A/C Adapter	16	3	48	5	80	6	96	
9911 Knowledge Aid								
9903 Knowledge Aid								

\* Assigned to Operating Budget: Equipment, Capitalized

\*\* Assigned to Operating Budget: Classroom Supplies

Audio Visual Hardware									
Stage I (175 students)					Stage II (255 students)				
Item	Suggested Models and Prices	Unit		Total		No.	Total		Total Cost
		Cost	No.	Cost	Cost		No.	Cost	

Groutier Min/Max

25 1 25

Camera

Polaroid

30 3 90 5 150 6 180

Tachistoscope

Rheem Califone T-Scope Model 4000

135 1 135\*\*\*

\*\*\* Assigned to Operating Budget: Equipment, Not Capitalized

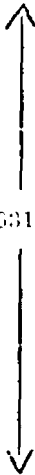
Exhibit B  
Software: Estimated Costs and Student Ratios

	Est. Unit Cost	I		II		III	
		No.	Total Cost	No.	Total Cost	No.	Total Cost
Film (16mm, sound,color)	300	7	2,100	9	2,700	10	3,000
Single concept	25	24	600	25	625	30	750
Filmstrips (silent,color)	12	12	144	16	192	20	240
Filmstrips (sound)	10	15	150	18	180	20	200
Filmstrips (silent)	3	15	45	15	45	20	60
Records	5	25	125	20	100	20	100
Slides	5	10	50	10	50	10	50
Transparencies	2	31	62	31	62	40	80
Blanks	20/\$1.00	1	20	1	20	2	40
8mm (sound, super)	75	16	1,140	20	1,500	23	1,725
8mm (silent)	20	18	360	18	360	20	400
Tapes	8	15	120	23	184	25	200
Cassettes	8	15	120	22	176	25	200
Video Tapes	20	24	480	21	480	32	640
Film	3	28	84	47	141	290	870
Blank Tapes	3	175	525	235	705	145	435
Total			\$6,125		\$7,520		\$8,990
Cost/Student Ratio			\$35/Student		\$32/Student		\$31/Student



Exhibit C  
Budget Summary (Funds Allocated)

By Subject Area

	I	II	III	IV	Total
Math	5,631.75 	3,582.10	1,513.29	2,477.13	7,602.82
Reading		7,208.84	1,035.38	519.59	8,763.81
Science		2,688.29	2,926.37	3,189.11	8,803.77
Social Studies		1,315.30	1,211.80	2,018.73	4,545.83
Health		1,215.45	247.70	717.00	2,180.15
Arts & Humanities		582.50	366.61	395.65	1,344.76
Miscellaneous		274.65	46.60	26.76	348.01
Total	5,631.75	16,867.43	7,377.75	9,313.99	38,629.92

By Category

Audiovisual Software	1,198.23	4,956.95	3,774.41	2,799.95	12,729.56
Instructional Materials	3,833.50	11,910.48	3,603.34	6,511.01	25,891.33
Total	5,031.73	16,867.43	7,377.75	9,313.99	38,629.92

## Exhibit D

### Description of the Book List

The booklist which follows contains current titles which as of 1969 are intended to provide a guide to ordering supplementary books for the Fort Lincoln School library.

The major source of recommendations for books to be purchased for the library is the guide prepared by the American Library Association. In annotated bibliography form, Books for Elementary School Libraries\* lists approximately three thousand titles recommended for first year purchase to provide the backbone of an elementary school library. Complete ordering information is included in the guide. We recommend ordering all titles listed in the guide including those books appropriate for (U) upper grades (seventh and eighth grades).

Additional books for purchase are listed first for Stage I and then for Stages II, III, IV with sources footnoted. Related instructional objectives are indicated in the left-hand column either beside the subject heading or the individual title. (E.g. The book Magnets and How To Use Them is in the Stage I list under the heading "science" and the number 32.60 in the left-hand column "Obj." refers to the Discovery objective list in which objective 32.12.01 is: "Knows how a magnet works.")

Recommended number for purchase is one copy of each book. For a discussion of the money allocated for books, see the Fort Lincoln Budget discussion.

We strongly recommend that as books are ordered, received, and catalogued for use at Fort Lincoln, a master list of books be made so that each teacher can have a copy of this list for use in recording his comments about particular books. This list might be arranged by categories such as fiction, poetry, biography, etc.,

and related objectives noted. Such individual lists also would serve as a starting point if teachers wished to relate objectives to reading materials.

### Comments Which Apply Only to a Particular Stage

#### Stage I

All objectives refer to Discovery objectives unless otherwise noted. For those books listed both in Stage I and in the ALA guide, only the title is repeated. Where duplication occurs, two copies should be ordered: one copy for the Resource Center and one for Stage I.

An asterisk before a title indicates only that the book is listed under another subject matter area and ordering information has already been given. A second copy should not be ordered.

#### Stages II, III, IV

The symbol + indicates that the book has been ordered for Stage I and is listed again for purchase so that the second copy can be placed in the Resource Center.

Notations of sources indicate which entire lists of books are primarily related to Black culture and the mark ● denotes individual books relating to Black culture.

Obj.

Stage I Books\*

The next one hundred twenty-seven (127) books are drawn from The New Nursery School by Glen Nunnicht, Oralie McAfee, and John Meier. New York: General Learning Corporation, Book VI, pp. 46-51.

- |       |   |  |   |  |
|-------|---|--|---|--|
| 9.00  | } | Developing the Senses<br>and Perceptual Acuity | 1. Bell, J. McJannet. <i>Dear World, Meet! A First Book of Senses</i> . New York: Western Publishing Co., 1963.           |  |
| 1.00  |   |  | 2. Brown, Margaret Wise. <i>The City Noddy Book</i> . New York: Harper & Row, 1939.                                       |  |
| 5.11  |   |  | 3. Brown, Margaret Wise. <i>The Seashore Noddy Book</i> . New York: Harper & Row, 1941.                                   |  |
| 3.00  |   |  | 4. Brown, Margaret Wise. <i>The Summer Noddy Book</i> . New York: Harper & Row, 1951.                                     |  |
| 30.08 | } |  | 5. Brown, Margaret Wise. <i>The Winter Noddy Book</i> . New York: Harper & Row, 1947.                                     |  |
|       |   |  | 6. Steiner, Charlotte. <i>Listen To My Senses</i> . New York: Alfred A. Knopf, 1959.                                      |  |
| 3.08  | } | Concept Formation:<br>Relational               | 7. Blair, Mary. <i>The Up and Down Book</i> . New York: Western Publishing Co., 1961.                                     |  |
| 6.07  |   |  | 8. Hertz, Grace J. <i>Hi, Daddy, Here I Am</i> . Minneapolis: Lorimer Publications Co., 1961.                             |  |
| 15.11 |   |  | 9. Krasilovsky, Phyllis. <i>The Very Little Boy</i> . Garden City, N.Y.: Doubleday & Co., 1962.                           |  |
| 17.01 |   |  | 10. Krasilovsky, Phyllis. <i>The Very Little Girl</i> . Garden City, N.Y.: Doubleday & Co., 1963.                         |  |
|       |   |  | 11. Shapp, Charles and Martha. <i>Let's Find Out What's Big and What's Small</i> . New York: Franklin Watts, 1959.        |  |
|       |   |  | 12. Shapp, Charles and Martha. <i>Let's Find Out What's Light and What's Heavy</i> . New York: Franklin Watts, 1959.      |  |
|       |   |  | 13. Sloan, Grace. <i>Nothing But Cats, and All About Dogs: Two Very Young Stories</i> . New York: William R. Scott, 1966. |  |
|       |   |  | 14. Wilkin, Eloise. <i>So Big</i> . New York: Western Publishing Co., 1963.   |  |
|       |   |  |   |  |
|       |   |  |   |  |
|       |   |  |   |  |
|       |   |  |   |  |
|       |   |  |   |  |
|       |   |  |   |  |

7.00

## Problem Solving

31. Balla, Clyde Robert. *What Makes A Shadow?* New York: Thomas Y. Crowell Co., 1952.
32. Charles, Nicholas. *How Do You Get From Here to There?* New York: Macmillan Co., 1962.
33. De Repiniers, Beatrice. *The Shadow Book.* New York: Harcourt, Brace & World, 1969.
34. Holzman, Mary Ann. *How Do I Go?* Boston: Little, Brown and Co., 1953.

3.00

35. Seamy, Richard. *Richard Seamy's Best Wheel Book Ever.* New York: Western Publishing Co., 1963.
- \* (7) *The Up and Down Book.*
- \* (8) *Hi, Daddy, Here I Am.*
- \* (11) *Let's Find Out What's Big and What's Small.*
- \* (12) *Let's Find Out What's Light and What's Heavy.*
- \* (17) *What Is Red?*
- \* (19) *Is It Blue As A Butterfly?*
- \* (20) *My Slippers Are Red.*
- \* (25) *I Can Count.*
- \* (28) *Shapes.*
- \* (29) *Round and Round and Square.*

33.00

The Growing Child  
and His Family

36. Burton, Rhoda A. *When You Were A Little Baby.* New York: Lothrop, Lee & Shepard Co., 1951.
37. Russell, Crosby N. *Peter Bear Brothers.* New York: Harper & Row, 1960.
38. Cassidy, Clara. *We Like Kindergarten.* New York: Western Publishing Co., 1965.

33.01

39. De Repiniers, Beatrice. *The Little Girl and Her Mother.* New York: Vanguard Press, 1963.
40. Fox, Marie Hall. *Gilbert and the Wind.* New York: Viking Press, 1963.

33.01

41. Frank, Marjorie. *Let Me Be a Boy.* New York: Macmillan Co., 1962.
42. Frank, Janet. *Do Mice.* New York: Western Publishing Co., 1953.
43. Freeman, Don. *Guidney.* New York: Viking Press, 1963.

33.05

44. Green, Mary M. *Everybody Has a House and I Toughly Love.* New York: William R. Scott, 1965.
45. Green, Mary M. *Is It Hard Is It Easy?* New York: William R. Scott, 1969.

33.01

46. Hearn, Robert S. *Admiral Dabber and My Daddy.* New York: Western Publishing Co., 1963.

\*Of these one hundred twenty-seven books, those marked with asterisks appear under several categories with complete ordering information given at the first appearance.

Obj.

Stage I Books

Concept Formation:  
Classificational

Color

11.00

5.11

15. Bright, Robert. *I Like Red*. Garden City, N.Y.: Doubleday & Co., 1955.
16. Brown, Margaret Wise. *The Color Kittens*. New York: Western Publishing Co., 1959.
17. Gottlieb, Susanne. *It Is Not Red?* New York: Lothrop, Lee & Shepard Co., 1961.
18. Justi, Susan. *All the Colors*. New York: Grosset & Dunlap, MacLoughlin Bros., 1965.
19. Kachaly, Rebecca. *Is It Blue As A Butterfly?* Englewood Cliffs, N.J.: Prentice-Hall, 1965.
20. Steiner, Charlotte. *My Slippers Are Red*. New York: Alfred A. Knopf, 1957.
21. Wolf, Janet. *Let's Imagine Colors*. New York: E.P. Dutton & Co., 1963.

15.00

Number

22. Baker, Marybeth. *Stately Lisa Book*. New York: Western Publishing Co., 1961.
23. Feldman, Helen. *The Golden Hippy Book of Numbers*. New York: Western Publishing Co., 1963.
24. Langstaff, John. *One Is the Magic*. New York: Harcourt, Brace & World, 1957.
25. Moulton, Carl. *I Can Count*. New York: Western Publishing Co., 1963.
26. Wildsmith, Ervin. *Brown Wildsmith's 1, 2, 3's*. New York: Franklin Watts, 1965.
27. Zinner, Reuben, and Paul Gallucci. *Counting Canned*. New York: Coward-McCann, 1962.

10.00

Shape

28. Schlein, Marion. *Shapes*. New York: William R. Scott, 1952.
29. Sloper, Fredan. *Round and Round and Square*. New York: Alford Schuman, 1965.

7.00

Other

30. Martin, Dick. *The Apple Book*. New York: Western Publishing Co., 1961.

47. House, Wanda Rogers. *Peter Goes to School*. New York: Grosset & Dunlap, Wonder Books, 1933.
48. Keats, Ezra Jack. *Peter's Chair*. New York: Harper & Row, 1967.
49. Keats, Ezra Jack. *The Snow Day*. New York: Viking Press, 1962. (A record and film tape are also available.)
50. Keats, Ezra Jack. *A Little For Bully*. New York: Viking Press, 1964.
51. Krauss, Ruth. *The Curly School*. New York: Harper & Row, 1915.
52. Len-El, Lois. *When I Grow Up*. New York: Henry Z. Wald, 1969.
53. Palazzo, Tony. *Animal Babies*. Garden City, N.Y.: Doubleday & Co., 1969.
54. Peterson, Hans. *Mickey & Mally*. New York: Lothrop, Lee & Shepard Co., 1964.
55. Pinner, Helen. *Doodles—What They Do All Day*. New York: Lothrop, Lee & Shepard, 1946.
56. Shapp, Charles and Martha. *Let's Find Out About School*. New York: Franklin Watts, 1961.
57. Weisgard, Leonard. *Those Little Birdies Are In It*. New York: Frederick Weine & Co., 1965.
58. Woodcock, Louise. *The Smart Little Boy and His Smart Little Kitty*. Elm Clino, WI: E.M. Hale and Co., 1947.
59. Woodcock, Louise. *This Is the Boy the Animals Talk*. New York: William R. Scott, 1976.
60. Zolotor, Charlotte. *Do You Know What They Do?* New York: Harper & Row, 1959.
- \* (8) *He, Daddy, How I Am*.
- \* (9) *The Very Little Boy*.
- \* (10) *The Very Little Girl*.

32.00

33.09

33.06

#### The Community

61. Dugan, William. *The Truck and I Run Both*. New York: Western Publishing Co., 1966.
62. Gump, Tibor. *The Great Big Fire Engine Book*. New York: Western Publishing Co., 1959.
63. Greene, Carl. *I Went to Be a Space Pilot*. Chicago: Children's Press, 1961.

64. Kalish, Muriel and Lionel. *Planes, Trains, Cars and Boats*. New York: Western Publishing Co., 1953.
65. Lenski, Lois. *Cocoy Smell*. New York: Henry Z. Wald, 1949.
66. Lenski, Lois. *The Little Fire Engine*. New York: Henry Z. Wald, 1956.
67. Lenski, Lois. *Polerona Smell*. New York: Henry Z. Wald, 1952.
68. Parsons, Virginia. *Rides*. Garden City, N.Y.: Doubleday & Co. 1953.
69. Piper, Watty. *The Little Engine That Could*. New York: Platt & Munk, 1939.
70. Potter, Marion. *The Little Red Caboose*. New York: Western Publishing Co., 1953.
71. Seary, Richard. *The Great Big Car and Truck Book*. New York: Western Publishing Co., 1951.
72. Shapp, Charles and Martha. *Let's Find Out About Horses*. New York: Franklin Watts, 1962.
73. Shortall, Leonard. *The Hot B.L.*. New York: Western Publishing Co., 1955.
74. Vogel, Ilse-Margaret. *When I Grow Up*. New York: Western Publishing Co., 1953.
75. Walliser, Blair. *The "B Loo's Thud?" Book*. New York: Grosset & Dunlap, 1961.
76. Walliser, Blair. *The "B Loo's Thud?" Book*. New York: Grosset & Dunlap, 1961.
77. Zeffo, George J. *The Big Book of Real Life Engines*. New York: Grosset & Dunlap, 1961.
78. Zeffo, George J. *The Big Book of Real Trains*. New York: Grosset & Dunlap, 1963.
79. Zeffo, George J. *The Big Book of Real Trucks*. New York: Grosset & Dunlap, 1963.
80. Zeffo, George J. *The Great A-Z Book of Travel From a Train, on an Airplane, on a Camp, in a Bus, on a Boat*. Garden City, N.Y.: Doubleday & Co., 1965.
- \* (32) *How Do You Get From Here To There?*
- \* (33) *How Do I Go?*
- \* (35) *Richard Scarry's Best Wheel Book Ever*
- \* (55) *Double Wheel Day, Double Day*



Obj.

Stage I Books

25.00

**Plant and Animal Life**

2.07

81. Addison, Leone. *All Ready For Winter*. New York: David McKay Co., 1952.
82. Bright, Robert. *My Hopping Bunny*. Garden City, N.Y.: Doubleday & Co., 1969.
83. Crawford, Mel. *The Turtle Book*. New York: Western Publishing Co., 1955.
84. Davis, Daphne. *The Baby Animal Book*. New York: Western Publishing Co., 1954.
85. Downer, May Louise. *The Flower*. New York: William R. Scott, 1955.
86. Dugan, William. *The Bug Book*. New York: Western Publishing Co., 1955.
87. Ets, Marie Hall. *Play With Me*. New York: Viking Press, 1955.
88. Gale, Leah. *The Animals of Fanny Jones*. New York: Western Publishing Co., 1963.
89. Palazzo, Tony. *Animals from the Motherly Book*. Garden City, N.Y.: Doubleday & Co., 1958.
90. Palazzo, Tony. *Three Little Kittens*. Garden City, N.Y.: Doubleday & Co., 1961.
91. Palazzo, Tony. *The Three Little Pigs*. Garden City, N.Y.: Doubleday & Co., 1961.
92. Pflaum, Jan. *The Bear Book*. New York: Western Publishing Co., 1965.
93. Pflaum, Jan. *The Cat Book*. New York: Western Publishing Co., 1964.
94. Roy, Hans August. *Charles George Gets A Model Partner*. Houghton Mifflin Co., 1941.
95. Roy, Hans August. *Charles George Gets A Model Partner*. Houghton Mifflin Co., 1957.
96. Roy, Hans August. *Charles George Takes A Job*. Boston: Houghton Mifflin Co., 1947.
97. Roy, Margaret Elizabeth (Waldstein). *Charles George Takes A Ride*. Boston: Houghton Mifflin Co., 1953.
98. Rosen, Orl. *I Am A Bear*. New York: Western Publishing Co., 1967.

Obj.

Stage I Books

99. Robinson, Irene and W.W. *Picture Book of Animal Babies*. New York: Macmillan Co., 1947.
100. Rejzinkovsky, Feodor. *Great Big Book of Wild Animals*. New York: Western Publishing Co., 1962.
101. Searry, Richard. *Ants*. New York: Western Publishing Co., 1963.
102. Searry, Richard. *The Bump Book*. New York: Western Publishing Co., 1965.
103. Shapp, Martha and Charles. *Let's Find Out About Animal Homes*. New York: Franklin Watts, 1962.
104. Wedder, Irma E. *Up Above and Down Below*. New York: William R. Scott, 1943.
105. Wilde, Irma. *Farm Animals*. New York: Grosset & Dunlap, McLaughlin Bros., 1959.
106. Williams, Garth. *Baby Farm Animals*. New York: Western Publishing Co., 1959.
- \* (2) *The City Noddy Book*.
- \* (3) *The Seashore Noddy Book*.
- \* (4) *The Summer Noddy Book*.
- \* (5) *The Winter Noddy Book*.
- \* (13) *Nothing But Cats, and All About Dogs*.
- \* (24) *Over In the Meadow*.
- \* (30) *The Apple Book*.
- \* (35) *Richard Scarry's Best Word Book Ever*.
- \* (37) *Polar Bear Brothers*.
- \* (41) *Ask Mr. Bear*.
- \* (45) *Is It Hard? Is It Easy?*
- \* (49) *The Snowy Day*.
- \* (51) *The Carpet Book*.
- \* (57) *Where Little Book Are You?*
- \* (59) *The Smart Little Boy and His Smart Little Kitty*.

30.08

Seasons and Holidays

107. Rubin, Emma. *Handy Hints*. New York: Abingdon Press, 1965.
108. Bringle, Annhus. *The Reader Book*. New York: Western Publishing Co., 1965.

109. Federico, Helen. *The Sunshine Book*. New York: Western Publishing Co., 1964.
110. Hazen, Barbara S. *Rudolph the Red-Nosed Reindeer*. New York: Western Publishing Co., 1958.
111. Kaufman, Joseph. *The Christmas Tree Book*. New York: Western Publishing Co., 1966.
112. Kaufman, Joseph. *The Snow Man Book*. New York: Western Publishing Co., 1965.
113. Kaufman, Joseph. *The Toy Book*. New York: Western Publishing Co., 1965.
114. Koch, Dorothy. *I Play At the Beach*. New York: Holiday House, 1955.
115. Lenski, Lois. *I Like Winter*. New York: Henry Z. Walck, 1950.
116. Lenski, Lois. *Now It's Fall*. New York: Henry Z. Walck, 1948.
117. Lenski, Lois. *Spring Is Here*. New York: Henry Z. Walck, 1945.
118. Martin, Dick. *The Sand Pail Book*. New York: Western Publishing Co., 1964.
119. Moore, Clement C. *Visit from St. Nicholas: 'Twas the Night Before Christmas*. New York: McGraw-Hill Book Co., 1963.
120. Searry, Richard. *The Santa Claus Book*. New York: Western Publishing Co., 1965.
121. Tresselt, Alvin R. *White Snow, Bright Snow*. New York: Lothrop, Lee & Shepard, 1947.
- \* (4) *The Summer Noisy Book*.
- \* (5) *The Winter Noisy Book*.
- \* (9) *The Very Little Boy*.
- \* (47) *Ask Mr. Bear*.
- \* (49) *The Snowy Day*.
- \* (51) *The Cornet Seed*.
- \* (69) *The Little Engine That Could*.
- \* (81) *All Ready For Winter*.
- \* (85) *The Flower*.
- \* (101) *Up Above and Down Below*.

Obj.

Stage I Books

3.00

2.00

4.16

**Traditional**

122. Austin, Margot. *The Very Young Mother Goose*. New York: Platt & Munk, 1963.
123. Knight, Hilary. *Hilary Knight's Mother Goose*. New York: Western Publishing Co., 1962.
124. Werner, Jane. *The Giant Golden Mother Goose*. New York: Western Publishing Co., 1948.
125. Simpson, Jean. *The Humpty-Dumpty Book*. New York: Western Publishing Co., 1964.
126. Scarry, Richard. *Animal Mother Goose*. New York: Western Publishing Co., 1964.
127. Scarry, Richard. *The Gingerbread Man*. New York: Western Publishing Co., 1953.

Obj.Stage I BooksCost

Books listed on the next 5 pages are those recommended for use in Project Headstart.

3.00	PICTURE BOOKS AND OTHER BOOKS		
30.11	Andy and the Lion — J. Dougherty	New York: Viking, n.d.	\$ 3.00
	Ask Mr. Bear		
1.10	The Biggest Bear		
	Blueberries for Sal		
2.01	Boats on the River — M. Flack	New York: Viking, n.d.	4.95
4.03	A Child's Good Night — M. Brown	—	3.50
	Daddies What They Do All Day		
	The Day We Saw the Sun Come Up — A. E. Goudey		
		New York: Scribners, 1961	3.25
	A Friend Is Someone Who Likes You		
	A Hole is to Dig — R. Krauss	Evanston, Illinois: Harper, 1952	2.50
	* I Like Winter		
	Is It Hard - Is It Easy — M. Green	New York: Scott, 1960	3.25
	Just Me		
	Katy and the Big Snow		
	The Little Engine That Could		
	Little Toot		
	The Little Train		
	Love is a Special Way of Feeling — J. Anglund		
		New York: Harcourt, 1960	1.95
	Now It's Fall		
	On a Summer Day		
	One Morning in Maine		
	The Snowy Day		
	Wait for William		
	Where the Wild Things Are		
	While Susie Sleeps		
	Whistle for Willie		
	What Do You Say, Dear? — S. Joslin	New York: Scott, 1958	2.75
	Harold and the Purple Crayon — C. Johnson		
		Evanston, Illinois: Harper, 1958	2.50
	May I Bring a Friend		
	Sleepy Book — C. Zolotow	New York: Lothrop, 1958	3.50
	Swinmy — L. Lionni	New York: Pantheon, 1963	3.50
	Sam, Bangs, and Moonshine — E. Ness	New York: Holt, 1966	3.95
	What Color is Your World — B. Gill	New York: Obolensky, 1963	3.50
	Peter's Chair		
	Jemie's Hat — E. Keats	Evanston, Illinois: Harper, 1966	3.95
	Who's There, Open the Door — B. Minari	Cleveland, Ohio: World Pub., n.d.	2.00

\* For books marked with an asterisk appearing under this category, ordering information has already been given elsewhere in this list or in the ALA guide.

Obj.Stage I BooksCost

2.14	ANIMALS, FABLE & WHIMSY		
	Finders Keepers		
	The Happy Lion		
	Hurry, Skurry & Flurry — M & C Buff	New York: Viking, 1954	\$ 3.50
	In The Forest		
	Inch by Inch — L. Lionni	New York: Obolensky, 1960	3.95
	* The Little Brown Hen		
	Make Way for Ducklings — R. McCloskey	New York: Viking, 1941	3.50
	Mr. Rabbit and the Lovely Present		
	The No Bark Dog — S. Williamson	Chicago: Follett, 1962	1.00
	The Story of Babar — J. DeBrunhoff	New York: Random, n.d.	1.95
	The Story of Ferdinand		
	Timothy Turtle — A. Graham	New York: Viking, 1949	3.50
	Bruno Minari's Zoo		
	Wake Up Farm		
	The Story About Ping		
	Angus and the Ducks		
	The Tale of Peter Rabbit		
33.00	DAILY LIFE AND THE COMMUNITY		
	Benjie		
	Big Cowboy Western		
	Here Comes the Bus — C. Haywood	New York: Morrow, 1963	3.75
	The Little Farm — L. Lenski	New York: Walck, 1942	2.75
	The Little Fire Engine — L. Lenski	New York: Walck, 1956	2.75
	The Little House		
	The Little Red Lighthouse and the Great Grey Bridge		
	Moy Moy		
	My Dog Rinty — E. Tarry	New York: Viking, 1946	3.00
	Our Rice Village in Cambodia — R. Todze	—	2.75
	Policeman Small — L. Lenski	New York: Walck, 1962	2.75
	Two is a Team		
	Umbrella		
	The White Marble — C. Zolotow	New York: Abelard, 1963	2.75
	Wake Up City		
	Mike Mulligan and His Steam Shovel		

<u>Obj.</u>	<u>Stage 1 Books</u>	<u>Cost</u>
3.00	FANTASY AND HUMOR	
22.12	And To Think I Saw It on Mulberry Street	
	Caps for Sale	
	Curious George	
	Horton Hears a Who — Dr. Seuss	New York: Random, 1954 2.95
	If I Ran the Circus	
	If I Ran the Zoo — Dr. Seuss	New York: Random, n.d. 2.95
	Lion	
	Little Big Feather N.Y.: Abelard	2.75
	Millions of Cats	
	Told Under the Magic Umbrella	
3.00	EASY TO READ	
	The Case of the Hungry Stranger — C. Bonsall	
		Evanston, Illinois: Harper, 1963 1.95
	The Cat in the Hat	
	The Cat in the Hat Comes Back	
	Curious George Flies a Kite	
	The Frog Went a Courtin'	
	Harry and the Lady Next Door — G. Zion	Evanston, Illinois: Harper, 1956 1.95
	Harry the Dirty Dog	
	Little Bear	
	No Fighting, No Biting — E. Minarik	Evanston, Illinois: Harper, 1958 1.95
	No Roses for Harry — G. Zion	3.95
	Nobody Listens to Andrew	
	Let's Find Out What the Signs Say — C. & M. Shapp	
		New York: Watts, 1959 2.65
	Sammy the Seal	
3.00	WORDS, SENSE AND IMAGERY	
2.00	Do You Hear What I Hear — H. Borten	Eau Claire, Wisc.: Hale, 1966 2.95
	Do You See What I See — H. Borten	New York: Abelard, 1959 2.95
	The Country Noisy Book	
	The Noisy Book — M. Brown	Evanston, Illinois: Harper, 1939 2.95
	A Picture Has a Special Look — H. Borten	New York: Abelard, 1961 2.75
	The Quiet Noisy Book — M. Brown	Evanston, Illinois: Harper, 1950 2.95
	Sparkle and Spin — A. Rand	N.Y.: Harcourt, n.d. 3.25
	The Winter Noisy Book	
	Indoor Noisy Book	

<u>Obj.</u>	<u>Stage I Books</u>	<u>Cost</u>
33.00	OTHER COUNTRIES	
	Angelo the Naughty One — H. Garrett	
	Crow Boy — T. Yashima	New York: Viking, 1955 3.50
	The Five Chinese Brothers	
	Keikos Birthday — S. Brown	— .95
	Madeline	
	Mei L	
	Pepito's Story — E. Fern	New York: Farrar & Strauss, 1960 3.25
	The Story About Ping	
31.00		
28.00	NATURE	
	Follow the Sunset — H&N Schneider	New York: Doubleday, 1952 3.75
	Gilberto and the Wind	
	Hi Mr. Robin	
	It's Nesting Time — R. Gans	New York: Crowell, 1964 2.95
	Let's Go Outdoors — H. Huntington	New York: Doubleday, 1939 3.50
	Not Only for Ducks — G. Blough	New York: McGraw, 1954 3.25
	Raindrop Splash	
	Restless Robin — M. Flack	Boston, Massachusetts: Houghton, 1937 3.75
	Wait For the Sunshine — G. Blough	New York: McGraw, 1954 3.25
	White Snow, Bright Snow — A. Tresselt	New York: Lothrop, n.d. 2.95
	The Carrot Seed — R. Krauss	Evanston, Illinois: Harper, 1945 2.50
31.00		
32.00		
3.23	SCIENCE	
	All Around You — J. Bendick	New York: McGraw, 1951 3.50
	Everybody Eats, Everybody Has	
	A House — M. Green	New York: W.R. Scott, 1961 3.50
	How Big Is Big — H&N Schneider	Eau Claire, Wisconsin: Hale, n.d. 3.00
	I Know A Magic House — J. Schwartz	New York: McGraw, 1956 2.95
	Let's Find Out — H&N Schneider	New York: W.R. Scott, 1946 3.00
	Let's Look Inside Your House — H&N Schneider	
		New York: W.R. Scott, 1946 3.25
	Let's Look Under the City — H&N Schneider	
		New York: W.R. Scott, 1954 2.75
	Look At Your Eyes — P. Showers	New York: Crowell, 1962 3.25
	Magnets And How to Use Them — Pine & Levine	
		New York: McGraw, 1958 2.75
32.12	Mickey's Magnet — Branley & Vaughn	
		New York: Crowell, 1956 2.50
	Now I Know — J. Schwartz	New York: McGraw, 1955 2.95
	Up Above and Down Below — I. E. Weber	— 2.50
	What's Inside — M. Garelick	New York: W.R. Scott, 1955 2.75



<u>Obj.</u>	<u>Stage I Books</u>	<u>Cost</u>
2.09		
4.16	POETRY	
	Brian Wildsmith's Mother Goose — B. Wildsmith	
	New York: Watts, 1965	4.95
	A Child's Garden of Verses — R. L. Stevenson	
	New York: Golden Press, 1951	2.95
	Very Young Verses — Geismer & Sater Eau Claire, Wisconsin: Hale, 1966 (K-2)	3.25
	When We Were Very Young — A. A. Milne New York: Dutton, 1961	3.50
	I Met A Man — J. Ciardi Boston, Massachusetts: Houghton, 1961	2.75
3.00		
4.03		
6.14	STORY COLLECTIONS	
	Let's Read A Story — S. Gruenberg (K-3) New York: Doubleday, 1957	3.50
	Read Me More Stories — Child Study Assoc.	
	(PS) New York: Crowell, 1951	3.50
	Read To Me Again — Child Study Assoc. (PS) New York: Crowell, 1961	2.95
	Read To Me Story Book — Child Study Assoc.	
	(PS) New York: Crowell, 1947	2.95
	Told Under The Blue Umbrella	
5.00		
4.00		
6.00	ABC — COUNTING — TELLING TIME	
	All Around the Town	
	Brian Wildsmith's ABC	
	Bruno Minari's ABC — B. Minari	3.50
	Curious George Learns the Alphabet Cleveland, Ohio: N. Y. World Pub. n. d.	
	Fast Is Not A Ladybug — M. Schlein New York: W. R. Scott, 1953	2.75
	It's About Time — M. Schlein New York: W. R. Scott, 1955	3.25
	1 is One	
	Shapes — M. Schlein Eau Claire, Wisconsin: Hale, n. d.	3.25
	The Wing On A Flea:	
	A Book About Shapes	
	Little Blue and Little Yellow — L. Lionni New York: Obolensky, 1959	3.95
	A Kiss is Round — B. Budney New York: Lothrop, n. d.	3.25
4.00	SONG BOOKS	
	Arnold's Collection of Rhymes — F. Arnold	3.00
	Children Sing Around The Year — H. Horn	1.50
	Discovering Music — Wadley & Allison	2.50
	More Songs To Grow On	
	Music Is Motion — E. Buttolph	1.00
	Songs For The Nursery School — J. McCartney	3.95
	Songs To Grow On	

<u>Obj.</u>	<u>Stage I Books</u>	<u>Cost</u>
34.00	Fireside Book of Songs — Boni & Lloyd	
	New York: Simon and Schuster, 1947	6.95
	Song to Grow On — Landeck, Beatrice	4.55
	Sloane, 1950	
	More Songs to Grow On — Landeck, Beatrice	
	Sloane, 1954	4.55
	Supposing's — Jonston, Johanna	4.95
	Holiday, 1967	
	Potatoes, Potatoes — Lobel, Anita	2.95
	Harper, 1967	
	I Feel The Same Way — Moore, Lilian	3.25
	Atheneum, 1967	
	I Can Be — Roche, A.K.	3.95
	Prentice-Hall, 1967	
	Thumbelina — Andersen, Hans Christian	
	Scribner, 1961	
	Three Billy Goats Gruff — Stobbs, William	
	McGraw, 1968	—
	The Story of the Three Bears — Stobbs, William	—
	McGraw, 1965	

<u>Obj.</u>	<u>Stage I Books</u>	<u>Cost</u>
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Recommendations on this page are from "Infant Education Research Project,"  
U. S. Department of Health, Education and Welfare/Office of Education/OE-37033.

RECOMMENDED ESPECIALLY FOR 3-year olds

3.00	{ Is This the House of Mistress Mouse Best Word Book Ever	Golden Press Golden Press	
10.00	Golden Shape Book Series Uptown Downtown Around the City	Wolton Press Bank Street Readers "	
	Go, Dog, Go — Eastman, Philip D.	Random, n. d.	2.19
	Peter and the Wolf — Prokofieff Serge	Knopf, n. d.	3.39
	Giant Nursery Book of Things		
32.00	That Go — Zaffo, George	Doubleday, n. d.	4.50

<u>Obj.</u>	<u>Stage I Books</u>	<u>Cost</u>
The books listed here relate to Black Studies.		
33.00	Oh Lord, I Wish I Was A Buzzard — Polly Greenberg	The MacMillan Company, 1968 4.50
	The Two Friends — Mannheim, Grete	Alfred A. Knopf, 1968 3.95
	Counting Carnival — Ziner, Feenie	Conrad-McCann, 1962
	Black and White — Arkin, David	Ward Ritchie Press, 1966
	Talking Without Words -- Ets, Marie Hall	New York: Viking, 1968 2.75
	Martin Luther King, Jr. —A Picture Story — Boone-Jones, Margaret	Chicago Children's Press, 1968 2.50
	The Roof Top Mystery — Lexau, Jean M.	Harper and Row, 1968 2.50
	Things We Like To Do — Andre, Evelyn M.	Abingdon Press, 1968 2.00
	Song of the Empty Bottles — Molarsky, Desmond	New York: Henry Z. Walk, Inc., 1968 3.75
	On the Beat - Policeman At Work — Robinson and Dain	Harcourt Brace and World, 1968 2.95
	The People Downstairs and Other City Stories— Baemeister, Rhoda	Conrad-McCann, 1964
	Ronnie's Wish -- Brown, Jeanette P.	Friendship Press, 1959
	My Dog Is Lost — Keats, Cherr	Thomas Y. Crowell, 1960
	Galumph — Landsdown, Brenda	Houghton Mifflin Company, 1963
	Enter In — Lewis, Laura	Pilot Publishing Company, 1959
	I Should Have Stayed In Bed — Lexau, Joan	Harper Row, 1965
	The Little Brown Hen — Martin, Patricia M.	Thomas Y. Crowell, 1960
	Snow Storm Before Christmas — Palmer, Candida	J. B. Lippincott Company, 1965
	Tony's Birds — Selsan, Millicent E.	Harper & Row, 1961
	It's Nice to be Little — Stanley, John	Rand McNally & Company, 1965
	A Weed Is a Flower	
	The Life of George Washington Carver — Aliki	Prentice, 1965 4.25
33.02	Straight Hair, Curly Hair — Goldin, Augusta	Crowell, 1966 3.25
	John Henry: An American Legend —	
	Picture Poetry Book — McBrown, Gertrude P.	Associated, 1935 1.40
	Gladiola Garden — Newsonic, Effie Lee	Associated, 1910 2.65
	Fun for Chris — Randall, Blossom	Whitman, 1956 1.75
	My Happy Days — Shackelford, Jane D.	Associated, n.d. 2.65
	Hellow Henry — Vogel, Ilse-Margret	Parents, 1965 2.95

Books on the next 5 pages are drawn from "Integrated School Books," NAACP Education Department, New York, 1967.

Negro Heritage Reader for Young People. Yonkers, New York: Educational Heritage, Inc., 1965.

Showers, Paul. Look at Your Eyes. New York: Thomas Y. Crowell, 1962.

Showers, Paul. Your Skin and Mine. New York: Thomas Y. Crowell, 1965.

This Is A Newspaper. Chicago: Follett Publishing Co., 1965.

Lewis, Alfred. Behind the Scenes at the Post Office. New York: Todd, Mead S. Co., 1965.

Earr, Jene. Mr. Zip and the U. S. Mail. Chicago: Albert Whitman and Co., 1964.

Urban Living Series. Benefic Press, Chicago.

You Visit a Fire Station — Police Station., 1965

You Visit a Dairy — Clothing Factory., 1965.

+ Arkin, David. Black and White. Music by Earl Robinson. Ward Richie Press, Los Angeles. 1966. For all ages.

+ Bacmeister, Rhoda W. The People Downstairs and Other City Stories. Illustrated by Paul Galdone. Coward-McCann, Inc., New York 1964. Ages 3-7.

Bishop, Curtis. Little League Heroes. J. B. Lippincott Company, Philadelphia. 1960. Ages 8-12.

Blanton, Catherine. Hold Fast To Your Dreams. Julian Messner, Inc., New York. 1955. Age 12 and up.

+Indicates ordered for use in Stage I library also.

- Bonsall, Crosby. The Case of the Hungry Stranger. Illustrated by Crosby Bonsall. Harper & Row, Publishers, New York. 1963. Ages 4-8.
- Bontemps, Arna. Lonesome Boy. Illustrated by Feliks Topolski. Houghton Mifflin Company, Boston. 1955. Ages 8-10.
- Bontemps, Arna. Sad Faced Boy. Illustrated by Virginia Lee Burton. Houghton Mifflin Company, Boston. 1937. Ages 10-12.
- Bradbury, Bianca. The Undergrounders. Illustrated by Jon Nielsen. Ives Washburn, Inc., New York. 1966. Age 11 and up.
- Brown, Frances Williams. Looking For Orlando. Criterion Books, Inc. New York. 1961. Ages 12-15.
- + Brown, Jeanette Perkins. Ronnie's Wish. Illustrated by Jean Martinez. Friendship Press, New York. 1959. Ages 5-8.
- Burchardt, Nellie. Project Cat. Illustrated by Fermin Rocker. Franklin Watts, Inc., New York. 1966. Ages 8-10.
- Burress, John. Punkin Summer. Illustrated by Roberta Moynihan. Vanguard Press, Inc., New York. 1957. Ages 10-12.
- Carlson, Natalie Savage. The Empty Schoolhouse. Illustrated by John Kaufmann. Harper & Row, Publishers, New York, Ages 9-11.
- Chandler, Ruth Forbes. Ladder To The Sky. Illustrated by Harper Johnson. Abelard-Schuman, Limited, New York. 1959. Ages 10-11.
- Cobb, Alice. The Swimming Pool. Illustrated by Joseph Escourido. Friendship Press, New York. 1957. Ages 8-10.
- Colman, Hila. Classmates By Request. William Morrow and Company, Inc. New York. 1934. Age 11 and up.
- Davis, Russell and Ashabranner, Brent. Strangers In Africa. Mc-Graw-Hill Book Company, New York. 1963. Ages 10-12.

Obj.

Library Books

- Faulkner, Georgene. Melindy's Happy Summer. Illustrated by Elton C. Fax. Julian Messner, Inc., New York. 1949. Ages 8-11.
- Hayes, Florence. Skid. Illustrated by Elton C. Fax. Houghton Mifflin Company, Boston. 1948. Ages 9-14.
- Horvath, Betty. Hooray For Jasper. Illustrated by Fermin Rucker. Franklin Watts, Inc., New York. 1966. Ages 5-7.
- Johnson, E. Harper. Kenny. Henry Holt and Company, New York. 1957. Age 11 and up.
- Justus, May. New Boy In School. Illustrated by Joan B. Payne. Hastings House, Publishers, Inc., New York. 1963. Ages 6-10.
- + Keats, Ezra Jack and Cherr, Pat. My Dog Is Lost. Illustrated by Ezra Jack Keats. Thomas Y. Crowell Company. New York. 1960. Ages 4-8.
- + Lansdown, Brenda. Galumph. Illustrated by Ernest Crichlow. Houghton Mifflin Company, Boston. 1963. Ages 4-8.
- Lawrence, J. D. Barnaby's Bells. Illustrated by Michael Lowenbeim. Macmillan Company, New York. 1965. Ages 9-10.
- + Lewis, Laura. Enter In. Illustrated by Ernest Crichlow. Pilot Publishing Corporation, New York. 1959. Ages 4-9.
- Lewis, Mary and Richard. The Halloween Kangaroo. Ives Washburn, Inc., New York. 1964. Ages 6-9.
- Lewis, Richard. A Summer Adventure. Harper & Row, Publisher, New York. 1962. Ages 7-9.
- + Lexau, Joan M. I Should Have Stayed in Bed. Illustrated by Syd Hoff. Harper & Row, Publishers, New York. 1965. Ages 5-8.
- Lovelace, Maud Hart. The Valentine Box. Illustrated by Ingrid Fetz. Thomas Y. Crowell Company, New York. 1966. Ages 6-9.

Obj.

Library Books

- + Martin, Patricia Miles. The Little Brown Hen. Illustrated by Harper Johnson. Thomas Y. Crowell Company, New York. 1960. Ages 4-8.
- Miles, Miska. Mississippi Possum. Illustrated by John Schoenherr. Little, Brown and Company, Boston. 1963. Ages 7-10.
- Newell, Hope. Mary Ellis, Student Nurse. Harper & Row, Publishers, New York. 1958. Age 11 and up.
- Olsen, Gene. The Tall One. Dodd, Mead & Company, Inc., New York. 1965. Age 11 and up.
- Palmer, Candida. A Ride On High. Illustrated by H. Tom Hall. J. B. Lippincott Company, Philadelphia. 1966. Ages 5-8.
- + Palmer, Candida. Snow Storm Before Christmas. Illustrated by H. Tom Hall. J. B. Lippincott Company, Philadelphia. 1965. Ages 4-7.
- Peterson, John. Enemies of the Secret Hide-Out. Scholastic Book Services, New York. 1966. Ages 8-9.
- Raferty, Gerald. Twenty-Dollar Horse. Illustrated by Bernard Safran. Julian Messner, Inc., New York. 1955. Age 10 and up.
- Randall, Blossom E. Fun For Chris. Illustrated by Eunice Young Smith. Albert Whitman and Company, Chicago. 1956. Ages 5-8.
- Rydberg, Ernie. The Days of the Cave. Illustrated by Carl Kidwell. David McKay Company, Inc., New York. 1965. Age 11 and up.
- + Selsan, Millicent E. Tony's Birds. Illustrated by Kurt Weith. Harper & Row, Publishers, New York. 1961. Ages 4-8.
- + Stanley, John. It's Nice To Be Little. Illustrated by Jean Tamburine. Rand McNally & Company, Chicago. 1965. Ages 4-6.
- Tunis, John. All American. Illustrated by Hans Wallen. Harcourt, Brace, & Company, Inc., New York. 1942. Ages 11-14.



Vogel, Iise-Margret. Hollo Henry. Parents' Magazine Press,  
New York. 1965. Ages 5-7.

Weiss, Edna S. Truly Elizabeth. Illustrated by Beth Krush. Houghton  
Mifflin Company, Boston. 1957. Ages 7-10.

Weiss, Harvey. Paul's Horse Herman. G. P. Putnam's Sons,  
New York. 1958. Ages 6-8.

Weiss, Harvey. Horse In No Hurry. G. P. Putnam's Sons, New York.  
1961. Ages 7-9.

Wiel, Ester. Easy Does It. Illustrated by W. T. Mars. Vanguard  
Press, Inc., New York. 1965. Age 11 and up.

Will and Nicholas. Four Leaf Clover. Harcourt, Brace & Company, Inc.,  
New York. 1959. Ages 5-9.

Woody, Regina. Almena's Dog. Illustrated by Elton C. Fax. Farrar,  
Straus & Young, Inc., New York. 1954. Age 10 and up.

Books on these 5 pages deal with Black culture and are drawn from We Build Together. A Readers' Guide to Negro Life and Literature for Elementary and High School Use. ed. Charlemac Rollins. Champaign, Illinois: National Council of Teachers of English, 1967.

PICTUREBOOKS AND EASY-TO-READ BOOKS

+	Aliki (Aliki Brandenburg). <u>A Weed Is a Flower; The Life of George Washington Carver.</u> Illustrated by the author. Prentice, 1965. K-3	\$4.25
	Bremner, Barbara. <u>Beef Stew.</u> Illustrated. Knopf, 1965. K-3	3.25
	Gipson, Fred. <u>Trail-Driving Rooster.</u> Illustrated by Marc Simont. Harper, 1955. All Grades	2.95
+	Goldin, Augusta. <u>Straight Hair, Curly Hair.</u> Illustrated by Ed Emberley. Crowell, 1966. K-3	3.25
	Hogan, Inez. <u>Nappy Has a New Friend.</u> Illustrated by the author. Dutton, 1947. K-3	1.75
	Miles, Miska. <u>Mississippi Possum.</u> Illustrated by John Shoenherr. Little, 1965. 1-5	3.00
	Norfleet, Mary Crockett. <u>Hand-Me-Down House.</u> Knox, 1962. 1-3	2.00
+	Randall, Blossom. <u>Fun For Chris.</u> Illustrated by Eunice Young Smith. Whitman, 1956. Preschool - 3	1.75
	Selsam, Millicent E. <u>Tony's Birds.</u> Illustrated by Kurt Werth. Harper, 1961. K-3	1.95
	Shackelford, Jane D. <u>My Happy Days.</u> Illustrated with photographs. Associated, n.d. K-3	2.65
	Sharpe, Stella Gentry. <u>Tohe.</u> Illustrated with photographs by Charles Farrell. University of North Carolina Press, 1939. K-3	2.79
	Showers, Paul. <u>Look At Your Eyes.</u> Illustrated by Paul Galdone. Crowell, 1962. K-3	3.25
	Taylor, Sydney. <u>The Dog Who Came To Dinner.</u> Illustrated by John E. Johnson. Follett, 1966. K-3	1.00
	Vogel, Ilse-Margret. <u>Hello, Henry.</u> Illustrated by the author. Parents, 1965. K-2	2.95
	Williamson, Stan. <u>No-Bark Dog.</u> Illustrated by Tom O'Sullivan. Follett, 1962. 1-3	1.00

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	Bacmeister, Rhoda W. <u>Voices In The Night</u> . Bobbs, 1965. 4-6	\$3.25
	Brodsky, Mimi. <u>The House At 12 Rose Street</u> . Illustrated by David Hodges. Abelard, 1966. 5-7	3.50
	Gates, Doris. <u>Little Vic</u> . Illustrated by Kate Seredy. Viking, 1951. 5-7	3.50
	Justus, May. <u>New Boy In School</u> . Illustrated by Joan Balfour Payne. Hastings, 1963. 2-5	2.95
	<u>A New Home For Billy</u> . Illustrated by Joan Balfour Payne. Hastings, 1966. 3-5	3.25
	Lewis, Richard W. <u>A Summer Adventure</u> . Illustrated. Harper, 1962. 3-5	2.95
	Meadowcroft, Enid L. <u>By Secret Railway</u> . Illustrated. Crowell, 1948. 5-7	4.50
	Palmer, Candida. <u>Snow Storm Before Christmas</u> . Illustrated by H. Tom Hall. Lippincott, 1965. 3-5	2.75
	Wier, Ester. <u>Easy Does It</u> . Illustrated by W. T. Mars. Vanguard, 1965. 5-7	3.50

### HISTORY

	Durham, Philip, and Everett L. Jones. <u>The Adventures of the Negro Cowboys</u> . Dodd, 1965. 6-9	3.50
SS 48.03 48.04 48.06	McCarthy, Agnes, and Lawrence Reddick. <u>Worth Fighting For: A History of the Negro in the United States During the Civil War and Reconstruction</u> . Illustrated. Doubleday, 1965. 6-9	2.95

K-Lit C

### BIOGRAPHY

	Adams, Russell L. <u>Great Negroes: Past and Present</u> (2nd ed.). Edited by David P. Ross, Jr. Illustrated by Eugene Winslow. Afro-American, 1964.	5.95
	Douty, Esther M. <u>Under the New Roof: Five Patriots of the Young Republic</u> . Illustrated with portraits. Rand, 1965. 4-6	4.50
	<u>Famous Negro Music Makers</u> . Illustrated. Dodd, 1955. 6-10	3.50

Obj.Library BooksCost

Nathan, Dorothy. <u>Women of Courage</u> . Illustrated by Carolyn Cather. Random, 1964. 5-8	1.95
Sterne, Emma Gelders. <u>Blood Brothers: Four Men of Science</u> . Illustrated by Oscar Liebman. Knopf, 1959. 5-8	3.00
Millender, Dharathula H. <u>Crispus Attucks: Boy of Valor</u> . Bobbs, 1965. 3-5	2.25
Coy, Harold. <u>The Real Book About George Washington Carver</u> . Illustrated. Doubleday, 1951. 3-7	1.95
Stevenson, Augusta. <u>George Carver: Boy Scientist</u> . Bobbs, 3-4	2.25
Gould, Jean. <u>That Dunbar Boy</u> . Illustrated by Charles Walker. Dodd, 1958. 5 and up	3.25
Ripley, Sheldon. <u>Matthew Henson: Arctic Hero</u> . Illustrated by E. Harper Johnson. Houghton, 1966. 5-7	2.20
Wise, Winifred. <u>Harriet Beecher Stowe: Woman With A Cause</u> . Illustrated. Putnam, 1965. 6-9	3.50
Bradford, Sarah. <u>Harriet Tubman: The Moses of Her People</u> . Citadel, 1961. 6-9	1.25
McGovern, Ann. <u>Runaway Slave: The Story of Harriet Tubman</u> . Illustrated by R. M. Powers. Four Winds Press (Scholastic) 1965. 3-4	2.50
Sterling, Dorothy. <u>Freedom Train: The Story of Harriet Tubman</u> . Illustrated. Doubleday, 1954. 5-8	3.25
Stevenson, Augusta. <u>Booker T. Washington: Ambitious Boy</u> . Bobbs, 1950. 3-4	2.25

SS 72.05  
AH 15.02,  
16.04, 19.01

POETRY, FOLKLORE, AND MUSIC

Bontemps, Arna, editor. <u>Golden Slippers: An Anthology of Negro Poetry</u> . Illustrated. Harper, 1941. All Grades	3.95
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<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	Brooks, Gwendolyn. <u>Bronzeville Boys and Girls</u> . Illustrated by Ronni Solbert. Harper, 1956. 2-6	\$2.50
	Culver, Eloise. <u>Great American Negroes In Verse, 1723-1965</u> . Illustrated by Lois Mailou Jones. Associated, 1966. K-6	4.50
	Dunbar, Paul Laurence. <u>Complete Poems of Paul Laurence Dunbar</u> . Illustrated. Dodd, 1940. All Grades	4.50
	Swift, Hildegard. <u>North Star Shining</u> . Illustrated by Lynd Ward. Morrow, 1947. 5 and up	3.95
	Taylor, Margaret. <u>Did You Feed My Cow?</u> Crowell, 1956. (Out of print). All Grades	
	Gipson, Fred. <u>Trail-Driving Rooster</u> . Illustrated by Marc Simont. Harper, 1955. All Grades	2.95
	Whiting, Helen Adele. <u>Negro Folk Tales for Pupils in the Primary Grades</u> . Illustrated. Associated, 1939. K-3	1.40
AH 700	<u>MUSIC</u>	
	<u>Black and White</u> . Words and drawings by David Arkin; music by Earl Robinson. Ritchie, 1966. 2-7	2.95
	Hughes, Langston. <u>First Book of Jazz</u> . Pictures by Cliff Roberts; Music selected by David Martin. Watts, 1954. 4 and up	2.65
	Johnson, James Weldon, and J. Rosamond Johnson. <u>The Books of American Negro Spirituals</u> (2 vols.) Viking, 1940.	6.95
	Trent-Johns, Altona. <u>Play Songs of the Deep South</u> . Associated, 1944. All Grades	2.65
	Whiting, Helen Adele. <u>Negro Art, Music and Rayne</u> . Illustrated. Associated, 1938. K-3	1.40
	<u>SCIENCE</u>	
	Sterne, Emma Gelders. <u>Blood Brothers: Four Men Of Science</u> . Illustrated by Oscar Liehman. Knopf, 1959. 5-8	3.00

Obj.

Library Books

Cost

SPORTS

Gelman, Steve. <u>Young Olympic Champions</u> . Illustrated with photographs. Norton, 1964. 6-9	\$3.50
Robinson, Louie, Jr. <u>Arthur Ashe: Tennis Champion</u> . Doubleday, 1967. 6 and up	2.95
Schoor, Gene. <u>Willie Mays, Modest Champion</u> . Putnam, 1960. 5-9	3.50
Shapiro, Milton J. <u>Jackie Robinson of the Brooklyn Dodgers</u> . Illustrated with photographs. Messner, 1957. 6-10	3.25
Bishop, Curtis Kent. <u>Little League Heroes</u> . Lippincott, 1960. 3-7	3.39
Jackson, Jesse. <u>Anchor Man</u> . Illustrated. Harper, 1947. 5-9	2.92

The following are books that are most frequently requested by elementary school children in the Oakland, California, Schools, with emphasis on recent publications. This list appeared in "Participating Teacher's Guide, a Starting Tomorrow Publication," The Ealing Corp., Cambridge, Massachusetts 02140, 1968.

K-LJ+C

ADVENTURE

Aliki. A Weed Is A Flower: The Life of George Washington Carver.

Faber, Doris. John Jay. Putnam, 1966. Grades 5-8.

Fisk, Nicholas. Lindbergh, The Lone Flier. Coward, 1968. Grades 3-up.

Fleming, Thomas. First In Their Hearts. Norton, 1968. Grades 6-9.

Franchere, Ruth. Jack London: The Pursuit of a Dream. Crowell, 1964. Grades 6-8.

Garnett, Emmeline. Madame Prime Minister. Farrar, 1967. Grades 6-8.

Keats, Ezra Jack. John Henry: An American Legend.

Kelen, Betty. Guatama Buddha in Life and Legend. Lothrop, 1967. Grades 5-8.

Landon, Margaret. Anna and the King of Siam. Day, 1944. Grades 6-up.

O'Connor, Richard. Sitting Bull. McGraw, 1968. Grades 5-8.

Philipson, Morris. The Count Who Wished He Were a Peasant: A Life of Leo Tolstoy. Pantheon, 1967. Grades 6-up.

Ritchie, Barbara, ed. Mind and Heart of Frederick Dougless. Crowell, 1968. Grades 6-up.

Swift, Hildegard Hoyt. The Edge of April: A Biography of John Muir.

Young, Percy. Britten. David White, 1968. Grades 6-up.

FABLE

Gobhai, Mehli. Blue Jackal. Prentice, 1968. Grades 1-3.

Grimm. The Four Clever Brothers. Harcourt, 1967. Grades 3-4.

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Hentoff, Nat. The Jazz Country.

La Fontaine, Jean de. The Hare and the Tortoise.

Lexau, Joan. I Should Have Stayed in Bed!

Bonsall, Crosby. The Case of the Cat's Meow.

Fife, Dale. Who's in Charge of Lincoln?

Fisk, Nicholas. Richthofen, The Red Baron. Coward, 1968. Grades 3-4.

Grifalconi, Ann. City Rhythms.

Kazakov, Yuri. Arcturus. The Hunting Hound. Doubleday, 1968. Grades 5-7.

Lent, Blair. John Tabor's Ride.

Perrine, Mary. Salt Boy.

Singer, Issac B. The Fearsome Inn. Scribner, 1967. Grades 3-4.

Wier, Ester. The Loner.

Wojciechowska, Maia. The Shadow of a Bull.

dis. 2.07  
28.15  
28.16  
28.17

## ANIMALS

Aliki. Keep Your Mouth Closed, Dear. Dial, 1966. Grades K-2.

Barclay, Gail. Little Brown Gazelle. Dial, 1968. Grades 1-2.

Fatio, Louise. The Happy Lion's Vacation. McGraw, 1968. Grades 1-3.

Fox, Paula. Dear Prosper. David White, 1968. Grades 5-up.

Hoban, Russell. Charlie the Tramp. Four Winds, 1967. Grades 1-2.

Jackson, Jacqueline. Chicken Ten Thousand. Little, 1968. Grades 1-3

Titus, Eve. Anatole and the Poodle. McGraw, 1965. Grades K-2.

Williamson, Stan. No-Bark Dog. Follett, 1962. Grades 1-3.



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Library Books

Lexau, Joan. Striped Ice Cream. Lippincott, 1968. Grades 2-4.

Lionni, Leo. Frederick.

Matsuno, Masako. A Pair of Red Clogs.

Yamaguchi, Tohr. Two Crabs and the Moonlight. Holt, 1965. Grades 3-4.

Dis. 33.00

FAMILY

Bacmeister, Rhoda W. The People Downstairs. Coward, 1964. Grades 1-2.

Cleary, Beverly. Mitch and Amy. Morrow, 1967. Grades 3-5.

Ets, Marie Hall. Gilberto and the Wind.

Hoff, Syd. Wanda's Wand. Gibson, 1968. Grades 1-2.

Keats, Ezra Jack. Peter's Chair.

Shulevitz, Uri. One Monday Morning.

Udry, Janice M. What Mary Jo Shared.

AH 15.02

FANTASY

Alexander, Lloyd. Coll and His White Pig. Holt, 1965. Grades 3-4.

Boston, Lucy M. The Sea Egg. Harcourt, 1967. Grades 3-5.

Du Bois, William Pène. Twenty-One Ballcons.

Fast, Howard Melvin. Tony and the Wonderful Door. Knopf, 1968. Grades 4-6.

Jacobs, Frank. Alvin Steadfast on Vernacular Island. Dial, 1965. Grades 3-4.

Jansson, Tove. Moominpappa at Sea. Walck, 1967. Grades 4-6.

Juster, Norman. The Phantom Tollbooth. Random, 1961. Grades 5-6.

L'Engle, Madeleine. A Wrinkle In Time.

O'Dell, Scott. The Black Pearl.

Obj.

Library Books

O'Dell, Scott. Island of the Blue Dolphins.

Ormondroyd, Edward. Time at the Top.

Sandburg, Carl. The Wedding Procession of the Rag Doll and the Broom Handle and Who Was In It. Harcourt, 1967. Grades 3-4.

Smith, Emma. Emily's Voyage. Harcourt, 1966.

AH 13.00  
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16.00

FOLK AND FAIRY TALES

Afanasev, Alexei. Salt.

+ Andersen, Hans Christian. Thumbelina.

Belting, Natalia M. Cat Tales. Holt, 1959. Grades 4-6.

Leach, Blair. Why the Sun and the Moon Live in the Sky. Houghton, 1968. Grades 2-4.

Du Bois, William Pène. The Three Little Pigs. Viking, 1962. Grades 3-4.

Durham, Mac, ed. Tit for Tat and Other Latvian Folk Tales. Harcourt, 1967. Grades 4-6.

Galdone, Paul. Little Tuppen. Seabury, 1967. Grades 1-3.

Galdone, Paul. Wise Fool. Pantheon, 1968. Grades 1-3.

Harman, Humphrey, comp. Tales Told Near a Crocodile.

Heady, Eleanor. When the Stones Were Soft. Funk, 1968. Grades 5-7.

Hough, Charlotte. Red Biddy and Other Stories. Coward, 1967. Grades 4-6.

Konigsburg, E. L. From the Mixed-Up Files of Mrs. Basil E. Frankweiler.

Landeck, Beatrice. Echoes of Africa in Folk Tales of the Americas. McKay.

Manning-Sanders, Ruth. A Book of Mermaids. Dutton, 1968. Grades 4-6.

Ness, E. Mister Miacea. Holt, 1967. Grades 1-2.

Obj.

Library Books

- + Stobbs, William. Three Billy Goats Gruff.
- + Stobbs, William. The Story of the Three Bears.
- Tresselt, Alvin. The Legend of the Willow Plate. Parents, 1968. Grades 3-4.
- Yolen, Jane, ed. The Emperor and the Kite. World, 1967. Grades 1-3.

SS 68.02

HISTORICAL FICTION

- Baker, Betty, Walk the World's Rim.
- Petry, Ann. Tituba of Salem Village.
- Polland, Madeleine. To Tell My People. Holt, 1968, Grade 6-8.
- Richter, Conrad. The Light In the Forest.
- Yates, Elizabeth. Amos Fortune: Free Man.

HUMOR AND NONSENSE

- Corbett, Scott. The Turnabout Trick. Little, 1967. Grades 3-5.
- Fox, Paula. A Likely Place. Macmillan. Grades 3-4.
- Hoff, Syd. Irving and Me.
- Klimowicz, Barbara. Fred, Fred, Use Your Head! Abingdon, 1967. Grades 1-3.
- Konigsburg, E. L. Jennifer, Hecate, Macbeth, William McKinley, and Me, Elizabeth. Atheneum, 1967. Grades 4-6.
- Peet, Bill. Chester, the Worldly Pig. Houghton, 1965. Grades 1-3.
- Raskin, Ellen. Nothing Ever Happens on My Block.
- Taylor, Mark. The Bold Fisherman. Golden Gate, 1967. Grades 1-3.

MYSTERY

Benchley, Nathaniel. The Strange Disappearance of Arthur Cluck. Harper, 1967. Grades 1-2.

Bonsall, Crosby. The Case of the Cat's Meow.

Bonsall, Crosby. The Case of the Hungry Stranger.

Fox, Paula. How Many Miles to Babylon? David White, 1967. Grades 4-6.

Hamilton, Virginia. Zeely. Macmillan, 1968. Grades 4-6.

Lexau, Joan M. The Homework Caper.

Poole, Josephine. Moon Eyes. Little, 1967. Grades 5-7.

Snyder, Zilpha K. The Egypt Game.

AH 15.02

NONFICTION

Adamson, Joy. Born Free.

Adamson, Joy. Living Free. Harcourt, 1961.

Adamson, Joy. Forever Free.

Baker, Jeffrey. Patterns of Nature. Doubleday, 1968. Grades 2-4.

Batchelor, Julie Forsyth and Claudia De Lys. Superstitious? Here's Why! Harcourt, 1954.

Buch, George S. Strange World of Insects. Putnam, 1968. Grades 6-up.

Cohen, Robert. The Color of Man. Random, 1968. Grades 5-up.

Conklin, Gladys. Lucky Ladybugs. Holiday, 1968. Grades 2-3.

Freeman, Mae. When Air Mo . McGraw, 1968. Grades 3-5.

Goldenson, Robert M. All About the Human Mind.

Hofsinde, Robert. Indian Music Makers. Morrow, 1967. Grades 4-7.

Hunt, Kari and Douglas. The Art of Magic. Atheneum, 1967. Grades 5-9.

Obj.

Library Books

- Jennings, Gary. Black Magic, White Magic. Dial, 1965. Grades 5-9.
- Kingman, Lee, ed. Newbery and Caldecott Medal Books: 1956-1965. Horn, 1965.
- Kohn, Bernice. One Day It Rained Cats and Dogs. Coward, 1967. Grades 3-4.
- Lavine, David. What Does a Senator Do? Dodd, 1967. Grades 5-9.
- Mulholland, John. Magic of the World. Scribner, 1965. Grades 4-7.
- Munzer, Martha E. Pockets of Hope. Knopf, 1967. Grades 6-up.
- Richardson, Ben. Great American Negroes.
- Rosenberg, Nancy and Lawrence. The Story of Modern Medicine. Norton, 1966. Grades 4-7.
- Samachson, Dorothy and Joseph. Masters of Music. Doubleday, 1967.
- Selsam, Millicent E. Tony's Birds.
- Selsam, Millicent E. When an Animal Grows. Harper, 1966. Grades 1-3.
- Shippen, Katherine B. A Bridle for Pegasus. Viking, 1951.
- Shippen, Katherine B. Men of Medicine. Viking, 1957.
- Sterling, Dorothy. Freedom Train: The Story of Harriet Tubman.

POETRY

- Brooke, Leslie, ed. King O'Roses.
- Cooke, Barbara. My Daddy and I. Abelard, 1961. Grades 1-2.
- Lear, Edward. The Pelican Chorus. Parents, 1967. Grades 2-3.
- Lent, Blair. From King Boggen's Hall to Nothing-At-All. Little, 1967. Grades 1-3.

Obj.

Library Books

Spier, Peter. London Bridge Is Falling Down. Doubleday. Grades 1-2.

Stevenson, Robert Louis. A Child's Garden of Verses.

REALISM

Clymer, Eleanor. My Brother Stevie.

Fitzhugh, Louise. The Long Secret. Harper, 1965. Grades 4-6.

Friis-Baastad, Babbis. Don't Take Teddy. Scribner, 1967. Grades 5-7.

George, Jean. My Side of the Mountain.

Weik, Mary Hays. The Jazz Man.

SPORTS

Bishop, Curtis K. Little League Heroes. Lippincott, 1960. Grades 4-6.

Decker, Duane. Hit and Run.

Kessler, Leonard P. Here Comes the Strikeout.

Kessler, Leonard. Kick, Pass, and Run.

Books listed on the next 15 pages are drawn from "Titles for Technology: An Annotated Bibliography," ed. Technology for Children Project. Trenton, New Jersey: State of New Jersey Department of Education and Ford Foundation, 1968.

Dis. 32.16  
A & H 13.00

AIRPLANES

Buehr, Walter. Cargoes in the Sky. New York: G. P. Putnam's Sons, 1958. 61pp.

Gardner, Jeanne. Sky Pioneers. New York: Harcourt, Brace, & World, 1963. 62pp.

Parlin, John. Amelia Earhart. Illinois: Garrard, 1962. 80pp.

Tatham, Campbell. The First Book of Flying. New York: Watts, 1948.

Dis. 32.10  
SS 54.06  
SS 73.03

AUTOMATION

Halacy, Jr., D. S. The Robots Are Here! New York: W. W. Norton & Company, 1965. 117pp.

Hirsch, S. This Is Automation. New York: Viking Press, 1964. 128pp.

Dis. 32.14  
SS 54.03

AUTOMOBILES

Bowen, Robert Sidney. Hot Rod Patrol. New York: Criterion Books, 1966. 172pp.

Cooke, David C. How Automobiles Are Made. New York: Dodd, 1957. 64pp.

Froman, Robert. Faster and Faster. New York: Viking Press, 1965. 48pp.

Gault, William Campbell. Sunday's Dust. New York: E. P. Dutton and Company, Inc., 1966. 159pp.

Gilbert, Miriam. Henry Ford Maker of the Model T. Boston: Houghton Mifflin Company, 1962. 190pp.

Rachlis, Eugene. Early Automobiles. New York: Golden Press, 1966. 57pp.

Robbin, Irving. Great Cars of All Types. New York: Grasset & Dunlap, 1960. 209pp.

Obj.

Library Books

Dis. 32.15  
SS 54.03

BOATS

Colby, Carroll B. First Boat: How to Pick It and Use It for Fun Afloat. New York: Coward - McCann, 1956. 48pp.

Elting, Mary. Ships At Work. New York: Harvey House, 1953. 91pp.

Gramalky, Hardie. Little Toot on the Thames. New York: Putnam, 1964. 88pp.

Latham, Jean. George W. Goethals. Illinois: Garrad, 1965. 80pp.

Lenski, Lois. The Little Sailboat. Henry Z. Walck, Incorporated, 1960. 44pp.

Molarsky, Osmund. Piper: The Sailboat That Came Back. Connecticut: New York Graphic Society, 1965. 45pp.

Zaffo, George. Big Book of Boats and Ships. New York: Grosset and Dunlap, 1951. 26pp.

Dis. 32.17  
SS 33.00

BRIDGES

Bate, Norman. Who Built the Bridge? New York: Scribner, 1954.

Carlisle, Norman. The True Book of Bridges. Chicago: Children's Press, 1965. 46pp.

Chester, Michael. Let's Build a Suspension Bridge.

Dis. 11.00  
A & H 2.09  
All 2.10

COLOR

Carter, Katherine. My Book of Color. Ottenheimer, 1961.

Healey, Frederick. Light and Color. New York: Day, 1962. 48pp.

Johnson, Crockett. A Picture for Harold's Room. New York: Harper and Brothers, 1960. 64pp.

Neal, Charles. Exploring Light and Color. Chicago: Children's Press, 1964. 156pp.



Obj.

Library Books

Purdy, Susan. If You Have a Yellow Lion. Philadelphia: J. B. Lippincott Company, 1966. 49pp.

Scott, Rochelle. Colors, Colors All Around. New York: Grosset and Dunlap, 1965. 42pp.

SS 51.00  
SS 55.00

COMMUNICATION

Krishef, Robert. Playback. Minneapolis: Lerner, 1962. 40pp.

Latham, Jean. Samuel F.B. Morse. Illinois: Garrod, 1961. 80pp.

Nelson, Mary E. My Book of Communication. Baltimore Maryland: Ottenheimer Publishers Incorporated, 1961. 28pp.

Posin, Daniel. What is Electronic Communication? New York: Benefic, 1961. 34pp.

Dis. 32.14  
AH 36.00  
AH 33.00

CONSTRUCTION & DRAWING

Bate, Norman. Who Built the Highway. New York: Scribner, 1953.

Colby, C. B. Earthmovers. New York: Coward-McCann, 1955. 48pp.

Goodspeed, J. M. Let's Take a Trip to Watch a Building Go Up. New York: Putnam, 1959.

Gringhus, Dirk. Big Mac. New York: MacMillan, 1959.

Liang, Yen. The Skyscraper. New York: Lippincott, 1958. 48pp.

Neurath, Marie. Building Big Things. New York: Orthop, Lee and Shepard, 1958. 36pp.

Sci.

ELECTRICITY

Ploch, Marie. Herbert, the Electrical Mouse. New York: Messner, 1953. 63pp.

Graves, Charles. Benjamin Franklin, Man of Ideas. Illinois: Garrard Press, 1960. 79pp.

Kaufman, Mervyn. Thomas Alva Edison. Illinois: Garrad, 1962.  
80pp.

Levine, I. Electronics Pioneer, Lee DeForest. New York: Messner,  
1964. 192pp.

Notkin, Jerome. The How & Why Book of Electricity. New York:  
Grosset & Dunlap, 1960. 48pp.

Reuben, Gabriel. Electronics for Children. New York: Sterling Publishing  
Company, 1960. 88pp.

Shepherd, Walter. Electricity. New York: The John Day Company,  
1964. 47pp.

Tannenbaum, Harold. We Read About Electricity and How it is Made.  
New York: Webster, 1960. 24pp.

Thomas, Henry. Charles Steinmetz. New York: Putnam, 1959. 126pp.

Waller, Leslie. A Book to Begin on Electricity. New York: Holt, Rinehart,  
and Winston, 1961.

Yates, Raymond. A Boy and a Battery. New York: Harper & Brothers,  
1959. 119pp.

ENERGY

Harrison, George Russell. The First Book of Energy. New York:  
Franklin Watts, 1965. 81pp.

Posin, Daniel Q. What Is Energy? Chicago: Benefic Press, 1962. 48pp.

ENGINES

Williams, Ellis. Engines, Atoms, and Power. Glasgow, England:  
G. P. Putnam's Sons, 1958. 64pp.

Dis. 32.13,  
32.14, 32.18  
Sci.

Dis. 32.13

Obj.

Library Books

Dis 32.00

24.00

ENGINEERING

Beim, Jerrold. Jay's Big Job. New York: William Morrow & Company, 1957. 46pp.

Bendick, Jeanne. The First Book of How to Fix It. New York: Franklin Watts, Inc., 1961. 66pp.

Hoban, Russell. What Does It Do and How Does It Work? New York: Harper & Brothers, 1959. 62pp.

Lenski, Lois. Project Boy. Philadelphia: J.B. Lippincott Company, 1954

McClintock, Mike. What Have I Got? New York: Harper & Bros.

Pease, Josephine Van Dolgen. It Seems Like Magic. New York: Rand McNally, 1946. 79pp.

Stirling, Nora. Wonders of Engineering. New York: Doubleday, 1966. 128pp.

Pryor, William. The Glass Book. New York: Harcourt-Brace, 1935. 100pp.

AH 2.00

HANDICRAFTS & HOBBIES

Boehm, David A. Coinometry. New York: Sterling, 1954. 91pp.

Carlson, Bernice. Make It and Use It. New York: Abington, 1958. 160pp.

Craig, Marie. Boxes. New York: Norton, 1964. 36pp.

Hyde, Margaret. Hobby Fun Book. New York: Seashore Press, 1952. 128pp.

Isenstien, Harald. Creative Claywork. New York: Sterling Publishing Company, 1960. 93pp.

Jackson, C. Paul. Tommy -- Soap Box Derby Champion. New York: Hastings House, Publishers, 1963.

Lopshire, Robert. How To Make Flibbers, etc. New York: Random House, 1964. 61pp.

Wallace, Raymond. Backyard Things That Are Fun to Build. California: Wallace, 1958. 42pp.

HEAT

Adler, Irving. Heat. New York: Day, 1964. 48pp.

Fergayolo, Rocco. Junior Science Book of Heat. Champaign, Illinois: Garrard Publishing Company, 1964. 63pp.

Munch, Theodore. What Is Heat? New York: Benefic, 1960. 42pp.

Parker, Bertha. Thermometers. New York: Row, Peterson, 1942. 36pp.

Sootin, Harry. Experiments With Heat. New York: W.W. Norton & Company, 1964. 87pp.

HOUSES

Carter, Katherine. The True Book of Houses. Chicago: Children's Press, 1957. 45pp.

Case, Bernard. Story of Houses. New York: Sterling, 1957. 48pp.

Colman, Hila. Peter's Brownstone House. New York: Morrow, 1963.

Hansen, Hans Ole. I Built A Stone Age House. New York: Day, 1959. 78pp.

Lenski, Lois. Let's Play House. New York: Henry Z. Walck, Inc. 18pp.

Mason, Margaret. How Do You Build A House? New York: Sterling, 1953. 60pp.

Robbin, Irving. The How & Why Wonder Book of Caves to Skyscrapers. New York: Grosset & Dunlap, 1963. 43pp.

Schulz, Clare Elmore. Willy Weep The Chimney Sweep. New York: Double Day & Co., Inc., 1964. 45pp.

Obj.

Library Books

Wise, William. The House With The Little Red Roof. New York: Putnam, 1961. 47pp.

Dis32.00

INVENTIONS

Beatty, Jerome Jr. Bob Fulton's Amazing Sode-Pop Stretcher. New York: William R. Scott, Inc., 1963. 240pp.

Compere, Mickie. Story of Thomas Alva Edison, Inventor. New York: Four Winds Press, 1964. 64pp.

Yates, Raymond. The Young Inventor's Guide. New York: Harper, 1959. 105pp.

Sci.

LIGHT

Farguhar, Margaret. Lights. New York: Holt, Rinehart, Winston, 1960. 46pp.

Gates, Arthur. Keepers of The Lights. New York: Macmillan, 1960. 33pp.

Munch, Theodore W. What is Light? New York: Benefic, 1960. 42pp.

Pine, Tillie S. Light All Around. New York: Witlesay, 1961. 47pp.

Dis 32.04  
32.06

MACHINES

Buehr, Walter. The First Book of Machines. New York: Franklin Watts, Inc., 1962. 49pp.

Dines, Glen. The Mysterious Machine. New York: Macmillan Company, 1957. 140pp.

Elting, Mary. Machines At Work. New York: Harvey House, 1962.

Greene, Carla. I Want To Be A Mechanic. New York: Children's Press, 1959.

Parker, Bertha. You As a Machine. New York: Row, Peterson, 1958. 36pp.

Obj.

Library Books

Slepian, Jan. Alfie and The Dream Machine. Chicago: Follett Publishing Company, 1964.

Victor, Edward. Machines. Chicago: Follett Publishing Company, 1962. 32pp.

Zaffo, George. Big Book of Real Building and Wrecking Machines. New York: Grossett, 1951. 25pp.

Dis. 32.12

MAGNETS

Adler, Irving. Magnets. New York: John Day Co., 1966. 48pp.

Keen, Martin. The How And Why Wonder Book of Magnets And Magnetism. New York: Grosset & Dunlap, 1963. 48pp.

Podendorf, Illa. The True Book of Magnets and Electricity. New York: Children's Press, 1961. 47pp.

Reuben, Gabriele. What Is A Magnet? Chicago: Benefic Press, 1959.

Yates, Raymond F. The Boy's Book of Magnetism. New York: Harper Brothers, 1941. 161 pp.

SS 40.05

MAPS

Rinkoff, Barbara. A Map Is A Picture. New York: Crowell, 1962. 36pp.

MATHEMATICS

Barr, Donald. Arithmetic for Billy Goats. New York: Harcourt, Brace, & World, Inc., 1966. 108pp.

Bendick, Jeanne. Take Shapes, Lines, and Letters. New York: Whittlesay, 1962. 78pp.

Feravolo, Rocco. Wonders of Mathematics. New York: Dodd, Mead, & Company, 1963. 64pp.

Land, Barbara. The Quest of Isaac Newton. New York: Garden City Books, 1960. 56pp.

Obj.

Library Books

SS 54. 03

PRODUCTS

- Date, Norman. Who Fishes for Oil? New York: Scribners, 1955. 46pp.
- Gringhus, Dirk. Rock Oil to Rockets. New York: MacMillan, 1960. 28pp.
- Narling, Jo & Ernest. Pogo's Oil Well - Story of Petroleum. New York: Holt Rinehart & Winston, 1955. 58pp.
- Petersham, Maud. The Story Book of Oil. Chicago: Winston. 31pp.
- Cooke, David. How Paper Is Made. New York: F. D. Meade & Company. 64pp.
- Meyer, Jerome. Paper. New York: World Publishing Company, 1960. 91pp.
- Eberle, Irmengarde. The New World of Rubber. New York: Dodd, Meade, & Company, 1966.

AH 2. 19,  
2. 20, 2. 21

PHOTOGRAPHY

- Freeman, Mae. Fun With Your Camera. New York: Random House, 1955. 55pp.
- Gottlieb, William. Photography. New York: Knopf, 1953. 44pp.

Sci.

PHYSICS

- Adler, Irving. Things That Spin. New York: Day, 1960. 47pp.
- Feravolo, Rocco. Easy Physics Projects: Air, Water, Heat. New Hersey: Prentice-Hall, 1966. 103pp.
- King, Fred M. What Is Gravity? Chicago: Benefic Press, 1960. 48pp.
- Wylar, Rose & Gerald Ames. What Makes It Go? New York: McGraw-Hill, 1958. 64pp.

SCIENCE

- Fogel, Barbara. What's the Biggest? New York: Random House, 1966. 113pp.
- Freeman, Mae. A Book of Real Science. New York: Four Winds Press, 1966. 48pp.

Obj.

Library Books

Dis. 31.10

Freeman, Mac. Your Wonderful World of Science. New York: Random House, 1959. 83pp. Illustrated.

Leaf, Munro. Science Can Be Fun. New York: J. B. Lippincott, 1958. 48pp.

Mandell, Muriel. Science for Children. New York: Sterling, 1959. 96pp.

Dis. 31.00,

31.03, 32.00

SCIENCE EXPERIMENTS

Beeler, Nelson. More Experiments in Science. New York: Crowell, 1950. 176pp.

Holland, Marion. A Big Ball of String. New York: Random House, 1958. 64pp.

Kadesch, Robert. The Crazy Cantilever and Other Science Experiments. New York: Harper & Bros., 1961. 175pp.

Keen, Martin. The How and Why Wonder Book of Science Experiments. New York: Grosset and Dunlap, 1962. 48pp.

Kleiman, Louis. Easy Science Experiments. New York: Hart Publishing Company, 1959. 192pp.

Newbury, Norman. The Junior Scientist. New York: Sterling Publishing Company, 1962. 96pp.

Newbury, Norman. The Young Experimenter. New York: Sterling Publishing Company, 1960. 96pp.

Podendorf, Illa. 101 Science Experiments. Chicago: Children's Press, 1960. 155pp.

Podendorf, Illa. The True Book of More Science Experiments. Chicago: Children's Press, 1956. 47pp.

Posin, Dan. Find Out! New York: Golden Press, 1964. 54pp.

Schlein, Miriam. A Pile of Junk. New York: Abelard, 1962. 46pp.

Stone, George K. Science Projects You Can Do. New Jersey: Prentice-Hall, 1963. 101pp.



Obj.

Library Books

Wylar, Rose. Prove It! New York: Harper & Row, 1963. 53pp.

Dis. 31.05

SENSES

Adler, Irving & Ruth. Taste, Touch, and Smell. New York: John Day Company, Inc., 1966. 48pp.

Bevans, Margaret van Doren. "I Wonder Why?" Thought The Owl. New York: G. P. Putnam's Sons, 1965. 41pp.

Borton, Helen. Do You Move As I Do? New York: Abelard - Schuman.

Fisher, Aileen. I Wonder How, I Wonder Why. New York: Abelard - Schuman, 1962.

Dis.32.08

Macpherson, Elizabeth. The Wonderful Whistle. New York: G. P. Putnam's Sons, 1965. 48pp.

Neurath, Marie. Too Small To See. New York: Sterling, 1956. 36pp.

Sands, George. Why Glasses? New York: Lerner, 1960. 30pp.

SOUND

Anderson, Dorothy S. Junior Science Book of Sound. Illinois: Garrard Press, 1962. 62pp.

Branley, Franklyn. Rusty Rings a Bell. New York: Crowell, 1957. 26pp.

Brinton, Henry. Sound. New York: Day, 1963. 48pp.

Keen, Martin. The How and Why Wonder Book of Sound. New York: Grosset and Dunlap, 1962. 48pp.

Meyer, Jerome. Sound and Its Reproduction. New York: World Publishing Company, 1964. 64pp.

Miller, Lisa. Sound. New York: Coward-McCann, Inc., 1965. 42pp.

Reuban, Gabriele H. What Is Sound? New York: Benefic Press, 1960. 40pp.

Obj.

Library Books

Dis. 2.08

Tannenbaum, Harold. We Read About Sounds and How They Are Made. New York: Webster, 1960. 24pp.

SPACE TRAVEL

Branley, Franklyn M. A Look of Sattellites for You. New York: Thomas Y. Crowell Company, 80pp.

Brooks, Walter R. Freddy and the Space Ship. New York: Alfred A. Knopf, 1953. 262pp.

Colby, Carroll B. Our Space Age Jets. New York: Coward-McCann, 1959. 48pp.

Coombs, Charles. Project Mercury. New York: Morrow, 1960. 62pp.

Crosby, Alexander L. The World of Rockets.

Crosby, Alexander L. and Larrick, Nancy. Rockets Into Space. New York: Random House, 1959.

Hyde, Margaret. Off Into Space. New York: McGraw-Hill, 1966. 63pp.

Johnson, Crockett. Harold's Trip to the Sky. New York: Harper & Row, 1957. 59pp.

Dis 31.10

King, Henry C. Our World in Space. Philadelphia: Macrae Smith Company, 1964. 90pp.

Kondo, Herbert. Adventures in Space and Time. New York: Holiday House, 1966. 53pp.

Russell, Salvag Paulson. From Rocks to Rockets. New York: Rand McNally & Co., 1960. 60pp.

SS 44.02

Schraff, Robert. Into Space with the Astronauts. New York: Grosset and Dunlap 1965.

Slobadkin, Louis. Spaceship Returns to the Apple Tree. New York: The Macmillan Co., 1958.

Sonneborn, Ruth. The Question and Answer Book of Space. New York: Random House, 1965.

Winders, Gertrude Hecker. Robert Goddard: Father of Rocketry. New York: John Day Company, 1963. 175pp.

TELEVISION, TELEPHONES, AND RADIO

Bendick, Jeanne. Television Works Like This. New York: McGraw-Hill, 1959. 63pp.

David, Eugene. Television and How It Works. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1962. 70pp.

Dudley, Nancy. Linda Goes to a TV Studio. New York: Coward-McCann, Inc. 44pp.

Knight, David. Let's Find Out About Telephones. New York: Franklin Watts, 1967. 52pp.

Morgan, Alfred. The Boy's Second Book of Radio and Electronics. New York: Charles Scribner's Sons, 1957. 268pp.

Stoddard, Edward. The First Book of Television. New York: Watts, 1955. 61pp.

Tannenbaum, Harold. We Read About Television and How It Works. New York: Webster, 1960. 24pp.

TIME & CLOCKS

Ardizzone, Edward. Johnny The Clockmaker. New York: Henry Z. Walck, Inc., 1960. 46pp.

Bothwell, Jean. The Mystery Clock. New York: Dial Press, 1966. 121pp.

Dis. 16.00 Gleick, Beth. Time Is When. New York: Rand-McNally, 1960. 40pp.

Hagan, Marshall. My Book of Time. Maryland: Ottenheimer Publishers, Inc., 1961. 26pp.

Liberty, Gene. The How and Why of Time. New York: Wonder Books, 1963.

Library Books

- Maloney, Terry. The Story of Clocks. New York: Sterling, 1960. 48pp.
- Reck, Alma Kohoc. Clocks Tell The Time. New York: Scribner, 1960. 46pp.
- Slobokin, Louis. The Late Cuckoo. New York: Vanguard Press, 1962. 36pp.
- Williams, Jay. The Question Box. New York: Norton & Company, 1965. 47pp.

TOOLS & MEASURING

- Adler, Irving. The Story Of The Nail. New York: John Day Company, 1961. 48pp.
- Goldstein, Rhoda. Tools of The Scientist. New Jersey: Prentice Halls Inc., 1963. 65pp.
- Hatcher, Charles. What Shape Is It? New York: Duell, Sloan & Pearce, 1963.
- Hatcher, Charles. What Size Is It? New York: Duell, Sloan & Pearce, 1966. 32pp.
- Leavitt, Jerome. The True Book of Tools for Building. New York: Children's Press, 1955. 45pp.

Dis. 32.18

TRAINS

- Burleigh, David Robert. How Engines Talk. New York: Follett, 1961. 31pp.
- Elting, Mary. Trains At Work. New York: Harvey House Inc., 1962. 83pp.
- Gramatky, Hardie. Homer And The Circus Train. New York: Putnam, 1957. 60pp.
- Hamilton, Franklin. First Book of Trains. New York: Franklin Watts, Inc., 1956.
- Otto, Margaret. The Little O'd Train. New York: Alfred A. Knopf, 1960. 15pp.
- Slobodkin, Louis. Clear The Track For Michael's Magic Train. New York: Macmillan Company, 1966. 44pp.
- Zaffo, George. Big Book of Real Trains. New York: Grosset & Dunlap, 1949. 26pp.

Dis. 32.14,  
32.15, 32.16

TRANSPORTATION & NAVIGATION

Dines, Glen. The Fabulous Flying Bievelc. New York: Macmillan Company, 1960. 163pp.

Helman, Hal. Navigation: Land, Sea & Sky. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1966. 72pp.

Lewellen, John. You And Transportation. Chicago, Illinois: Children's Press, 1965. 63pp.

Posell, Elsa Z. The True Book of Transportation. Chicago, Illinois: Children's Press, 1957. 47pp.

Zimnik, Reiner. The Bear On The Motoreycle. New York: Atheneum, 1963. 22pp.

WHEELS

Buhr, Walter. Story of The Wheel. New York: Putnam, 1960.

Clymer, Eleanor. Wheels. New York: Holt, Rinehart & Winston. 1965. 40pp.

Shapp, Martha. Let's Find Out About Wheels. New York: Franklin Watts, Inc., 1962. 41pp.

Dis. 24.00

WOODWORKING & GENERAL SHOP

Adler, Irving & Ruth. Tree Products. New York: John Day Company, Inc., 1967. 48pp.

Leavitt, Jerome. Carpentry For Children. New York: Sterling, 1959. 89pp.

Leeming, Joseph. Fun With Wood. Chicago, Illinois: Spenser, 1942. 111pp.

Lewis, Roger. Woodworking. New York: Knopf, 1952. 44pp.

Moore, William. Fun With Tools. New York: Random House, 1957. 64pp.

Obj.

Library Books

The books on the next 3 pages were judged most successful in a program to develop a literature curriculum for young children. The program was sponsored by the Central Atlantic Regional Educational Laboratory (C. A. R. E. L.) 1200 Seventeenth Street, N.W. Washington, D. C. 20036

C. A. R. E. L. Teacher's Guide to the use of these selections. (To order see address above.)

The Adventures of Tommy by H. G. Wells; Alfred A. Knopf. New York.

An Anteater Named Arthur by Bernard Waber; Houghton Mifflin Co. Boston, 1967.

Aunt Agatha, There's a Lion Under the Couch! by Wende and Harry Devlin; D. Van Nostrand Co., Inc. Princeton, New Jersey, 1968.

The Bat-Poet by Randall Jarrell; illus. by Maurice Sendak; Macmillan Co. New York, 1963.

The Big Yellow Balloon by Edward Fenton; illus. by Ib Ohlsson; Doubleday & Co., Inc. Garden City, New York, 1967.

The Creatures' Choir by Carmen Dernos de Gasztold; translated by Rumer Godden; illus. by Jean Primrose; The Viking Press. New York, 1965.

Elizabete by H. A. Rey; Harper & Row. New York, 1942.

The Extraordinary Tug-of-War retold by Letta Schatz; illus. by John Burningham; Follett Publishing Co. New York, 1968.

The Goblin Under the Stairs by Mary Calhoun; illus. by Janet McCaffery; William Morrow & Company. 1967-68.

Harriet and the Promised Land by Jacob Lawrence; Windmill Books, Inc. New York, 1968.

Jacob and the Robbers by Marlene Reidel; Atheneum. New York, 1965.

Josefina February

Let's Be Enemies

Little Wolf by Ann McGovern; illus. by Nola Langer; Abelard-Schuman.  
London, 1965.

The Lollipop Party by Ruth A. Sonneborn; illus. by Brinton Turkle; The  
Viking Press. New York, 1967.

Miguel's Mountain by Bill Binzen; Coward-McCann, Inc. New York, 1968.

Moon Man by Tomi Ungerer; Harper & Row. New York, 1967.

The Most Wonderful Doll in the World by Phyllis McGinley; illus. by Helen  
Stone; J. B. Lippincott Co. Philadelphia, 1950.

Potatoes Potatoes by Anita Lobel; Harper & Row. New York, 1967.

The Real Tin Flower by Alik Barnstone; illus. by Paul Giovanopoulos;  
Crowell-Collier Press. New York, 1968.

Rex by Marjorie Sharmat; illus. by Emily McCully; Harper & Row.  
New York, 1967.

Rosa-Too-Little

A Rose for Mr. Bloom by Bernard Waber; Houghton Mifflin Co. Boston, 1968.

Sam, Bangs & Moonshine

Something Special by Beatrice Schenk de Regniers; illus. by Irene Haas;  
Harcourt, Brace & World, Inc. New York, 1958.

The Story of Ferdinand

Sunday Morning by Judith Viorst; illus. by Hilary Knight; Harper & Row.  
New York, 1968.

The Tears of the Dragon by Hirosuke Hamada; illus. by Chihiro Iwaski;  
Parents' Magazine Press. New York, 1967.

The Three Robbers by Tomi Ungerer; Atheneum. 1962.

Tico and the Golden Wings by Leo Lionni; Pantheon. 1961.

Obj.

Library Books

The Tiger Who Came To Tea by Judith Kerr; Coward-McCam Inc. New York, 1968.

The Wave

Youngest One by Taro Yashima; The Viking Press. New York, 1966.

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POETRY

Lonesome Cities by Rod McKuen; Random House. New York, 1968.

The Monster Den or Look What Happened at My House — and to It by John Ciardi, J.B. Lippincott Company, Philadelphia; New York, 1966.

Miracles.



Obj.Library BooksCost

Books on the next 3 pages are compiled from the list of "Children's Books 1968". Library of Congress, Washington, D.C. 1969.

●These books relate to Black Culture.

## J-K Lit C.

STORIES

Brown, Roy. <u>A Saturday in Pudney.</u> New York, Macmillan. 152p.	\$3.95
Burchard, Peter. <u>Bimby.</u> New York, Coward-McCann. 91p.	3.50
Burton, Hester. <u>The Flood at Reedsmere.</u> Illustrated by Robin Jacques. Cleveland, World Pub. Co. 204p.	3.95
Cleary, Beverly. <u>Ramona the Pest.</u> Illustrated by Louis Darling. New York, Morrow. 192p.	3.75
De Jong, Meindert. <u>Journey From Peppermint Street.</u> New York, Harper & Row. 242p.	4.50
Fairfax-Luey, Brian, and Philippa Pearce. <u>The Children of the House.</u> Illustrated by John Sergeant. Philadelphia, Lippincott, 192p.	3.95
Fox, Paula. <u>The Stone-Faced Boy.</u> Illustrated by Donald A. Mackay. Englewood Cliffs, N.J., Bradbury Press. 106p.	3.95
Garfield, Leon. <u>Mister Corbett's Ghost.</u> Illustrated by Alan E. Cober. New York, Pantheon Books. 87p.	3.50
Griffiths, Helen. <u>Leon.</u> Illustrated by Victor G. Ambrus. Garden City, N.Y., Doubleday. 190 p.	3.50
Hamilton, Virginia. <u>The House of Dies Drear.</u> Illustrations by Eros Keith. New York, Macmillan. 246p.	4.95
Houston, James A. <u>Akavak; an Eskimo Journey.</u> Written and illustrated by James Houston. New York, Harcourt, Brace & World. 75p.	3.25
Hughes, Ted. <u>The Iron Giant; a Story in Five Nights.</u> Drawings by Robert Nadler. New York, Harper & Row. 56p.	2.92
Jones, Adrienne. <u>Sail, Calypso!</u> Illustrated by Adolph LeMoult. Boston, Little, Brown. 210p.	4.95
Lexau, Joan M. <u>Striped Ice Cream.</u> Illustrations by John Wilson. Philadelphia, Lippincott. 95p.	3.25

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	Macfarlane, Iris. <u>The Children of Bird God Hill.</u> Illustrated by Robert Parker. New York, McGraw-Hill. 208p.	\$4.95
	McNeill, Janet. <u>The Battle of St. George Without.</u> Illustrated by Mary Russon. Boston, Little, Brown. 188p.	4.50
	Mokarsky, Osmond. <u>Song of the Empty Bottles.</u> Illustrated by Tom Feelings. New York, Walck.	3.75
	Phipson, Joan. <u>Good Luck to the Rider.</u> Illustrated by Maragret Horder. New York, Harcourt, Brace & World. 186p.	3.50
	Rich, Louise D. <u>Star Island Boy.</u> Illustrated by Elinor Jaeger. New York, Watts. 154p.	3.50
	Robertson, Keith. <u>The Year of the Jeep.</u> Illustrated by W. T. Mars, New York, Viking Press. 25lp.	3.95
	Sachs, Marilyn. <u>Veronica Ganz.</u> Illustrated by Louis Glanzman. Garden City, N. Y., Doubleday. 156p.	3.50
	Townsend, John R. <u>Pirate's Island.</u> Philadelphia, Lippincott. 159p.	3.75
	Wrightson, Patricia. <u>A Racecourse for Andy.</u> Illustrated by Margaret Horder. New York, Harcourt, Brace & World. 156p.	3.50
	Garner, Alan. <u>The Owl Service.</u> New York, Walck. 202p.	4.00
	Neufeld, John. <u>Edgar Allan.</u> New York, S. G. Phillips. 95p.	3.95
SS 72.05 AH 15.02	<u>FOLKLORE</u>	
	Alger, Leclaire. <u>Sea-Shell and Moor-Magic; Tales of the Western Isles,</u> by Sorche Nic Leodhas. Illustrated by Vera Bock. New York, Holt, Rinehart and Winston. 207p.	4.95
	Courlander, Harold. <u>comp. Olode the Hunter, and Other Tales From Nigeria,</u> by Harold Courlander with Ezekiel A. Eshugbayi. Illustrated by Enrico Arno. New York, Harcourt, Brace & World. 153p.	3.75
	Heady, Eleanor B. <u>When the Stones Were Soft: East African Fireside Tales.</u> Illustrations by Tom Feelings. New York, Funk & Wagnalls. 94p.	3.50

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	Ransome, Arthur. <u>The Fool of the World and the Flying Ship: a Russian Tale.</u> New York, Farrar, Staus & Giroux. 43p.	\$4.95
	Rounds, Glen. <u>Casey Jones, the Story of a Brave Engineer.</u> Verses selected and illustrated by Glen Rounds. San Carlos, Calif., Golden Gate Junior Books. 48p.	3.95
	Singer, Isaac B. <u>When Shlemiel Went to Warsaw and Other Stories.</u> Translated by the author and Elizabeth Shub. Pictures by Margot Zemach. New York, Farrar, Straus & Giroux. 128 p.	4.50
	Valjavec, Matija, and Cene Vipotnik. <u>The Magic Ring, a Picture Story from Yugoslavia.</u> Cleveland, World Pub. Co. 16p.	2.95
Alt 16.04, 16.07, 15.02, 19.01	<u>POETRY AND PLAYS</u>	
	Brewton, Sara, and John Brewton, comps. <u>America Forever New: A Book of Poems.</u> New York, Crowell. 270p.	4.50
	De Forest, Charlotte B. <u>The Prancing Pony; Nursery Rhymes From Japan.</u> Adapted into English verse for children by Charlotte B. De Forest. With kusa-e illustrations by Keiko Hida. New York, Walker/Weatherhill. 63p.	3.95
	Downie, Mary A., and Barbara Robertson, comps. <u>The Wind Has Wings: Poems from Canada.</u> Illustrated by Elizabeth Cleaver. New York, Walek. 95p.	5.95
	Hyndman, Robert U. <u>Chinese Mother Goose Rhymes.</u> Selected and edited by Robert Wyndham. Pictures by Ed Young. Cleveland, World Pub. Co. 48p.	3.95
	Lear, Edward. <u>The Scroobius Pip.</u> Completed by Ogden Nash. Illustrated by Nancy Ekholm Burkert. New York, Harper & Row. 24p.	3.95
	Lewis, Richard, comp. <u>Out of the Earth I Sing; Poetry and Songs of Primitive Peoples of the World.</u> New York, Norton. 144p.	3.95
	Merriam, Eve. <u>Independent Voices.</u> Drawings by Arvis Stewart. New York, Atheneum. 79p.	4.25

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	Smith, Moyne R. <u>7 Plays &amp; How to Produce Them.</u> Illustrated by Don Bolognese. New York, Walek. 148p.	\$4.50
	Smith, William J. <u>Mr. Smith and Other Nonsense.</u> A Seymour Lawrence book. New York, Delacorte Press. 63p.	3.95
	Smith, John, comp. <u>My Kind of Verse.</u> Decorations by Uri Shulevitz. New York, Macmillan. 235p.	3.95
	Weiss, Renee K. comp. <u>A Paper Zoo; a Collection of Animal Poems by Modern American Poets.</u> Pictures by Ellen Raskin. New York, Macmillan. 38p.	4.50
J-K Lit C.	<u>BIOGRAPHY</u>	
	Crawford, Deborah. <u>The King's Astronomer, William Herschel.</u> New York, Messner. 191p.	3.50
	D'Amelio, Dan. <u>Taller Than Bandai Mountain; the Story of Hideyo Noguchi.</u> Illustrated by Fred Banbery. New York, Viking Press. 185p.	4.50
	Wood, James P. <u>Spunkwater, Spunkwater! A Life of Mark Twain.</u> New York, Pantheon Books. 182 p.	3.95
SS 68.02 68.08	<u>HISTORY, PEOPLES, AND PLACES</u>	
•	Bleeker, Sonia. <u>The Pygmies; Africans of the Congo Forest.</u> Illustrated by Edith G. Singer. New York, Morrow. 143p.	3.25
	Comock. <u>The Story of Comock the Eskimo,</u> as told to Robert Flaherty. Edited by Edmund Carpenter. New York, Simon & Schuster. 95p.	4.50
	Fehrenbach, T.R. <u>The United Nations in War and Peace.</u> New York, Random House. 179p.	1.95
	Marcus, Rebecca B. <u>The First Book of the Cliff Dwellers.</u> Drawings by Julio Granada. New York, Watts. 90p.	1.98
	Rose, Ronald. <u>Ngari, the Hunter.</u> New York, Harcourt, Brace & World. 48p.	3.95
	Sasek, Miroslav. <u>This Is the United Nations.</u> New York, Macmillan. 60p.	4.95
	Sterling, Dorothy. <u>Tear Down the Walls.</u> Garden City, N. Y., Doubleday.	4.95

These books were recommended by various sources.

• These books relate to Black Culture. +Indicates ordered for Stage I library also.

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
•	<u>Tuesday Elephant</u> , by Nancy Garfield, illus. by Tom Feelings. Crowell, 1968.	\$3.95
	<u>I'm Going to Have a Baby</u> , by Laura Z. Hobson, Day, 1967.	\$3.50
	<u>Cynthia and the Unicorn</u> , by Jean Todd Freeman, illus. by Leonard Weisgard. Norton, 1967.	\$3.75
	<u>Higglety Pigglety Pop! or There Must be More to Life</u> , written and illus. by Maurice Sendak. Harper, 1967.	\$4.95
	<u>Donkey Ride</u> , adapted by Jean B. Showalter, illus. by Tomi Ungerer. Doubleday, 1967.	\$3.95
	<u>Big Cleanup</u> , written and illus. by Harvey Weiss. Abelard, 1967.	\$2.95
	<u>Cowboys and the Songs They Sang</u> , by S. J. Sackett. Musical settings by Lionel Nowak. illus. with old photographs. W. R. Scott, 1967.	\$5.95
	<u>That Lincoln Boy</u> , by Earl Schenck Miers. illus. by Kurt Werth. World, 1968.	\$3.95
	<u>Questions and Answers about Ants</u> , by Millicent E. Selsam. Four Winds, 1967.	\$3.50
+	<u>Tikki Tikki Tembo</u> , by Arlene Mosel. illus. by Blair Lent. Holt, 1968.	\$4.50
+	<u>City Is My Home: City Fun, City People, and My Own City Fun Book</u> (3 paper-cover photograph books with text), Day,	\$3.95 ea
+	<u>Emperor's Big Gift</u> , by Dell Britt. illus. by Jan Hogenbyl. Prentice-Hall, 1967.	\$4.25
+	<u>Three Visitors</u> , by Marjorie Hopkins. illus. by Anne Rockwell. Parents, 1967.	\$2.95
+	<u>Silver Wood</u> , by Douglas J. Kirby. illus. by Jenny Williams. Four Winds, 1967.	\$3.50
+	<u>Supposing's</u> , by Johanna Jonston. illus. by Rudy Sayers. Holiday, 1967.	\$4.95
+	<u>Potatoes, Potatoes</u> , written and illus. by Anita Lobel. Harper, 1967.	\$2.95
+	<u>I Feel the Same Way</u> , by Lillian Moore, illus. by Robert Quackenbush. Atheneum, 1967.	\$3.25

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
+	<u>I Can Be</u> , written and illus. by A. K. Roche, Prentice-Hall, 1967.	\$3.95
	<u>Worlds of Sound</u> , by Irwin Stambler, Norton, 1967.	\$3.50
	<u>Patterns of Nature</u> , by Jeffrey J. W. Baker. Photos by Jaroslav Salek. Doubleday, 1967.	\$3.95
	<u>Everything Changes</u> , by Ruth Rea Howell. Photos by Arline Strong. Atheneum, 1968	\$3.50
	<u>High Sounds, Low Sounds</u> , by Franklyn M. Branley. Illus. by Paul Galdone, Crowell, 1967.	\$3.25
	<u>Honeybees</u> , by Franklin Russell. Illus. by Colette Portal. Knopf, 1967	\$3.95
	<u>Environments Out There</u> , by Isaac Asimov. Abelard, 1967.	\$3.75
	<u>Sea Egg</u> , By Lucy Boston, Illus. by Peter Boston. Harcourt, 1967.	\$2.50
	<u>Sea Horse</u> , by Frans van Anrooy. Illus. by Jaap Tol. Harcourt, 1968.	\$3.57
	<u>Pumpkin Heads</u> , adapted and illus. by A. K. Roche, Prentice-Hall, 1968.	\$2.95
•	<u>Mystery of the Lost Pony, The Mystery of Pirate Island, The Mystery of the Old Jalopy</u> , by Alan Stone. Illus. by Mel Bolden. World, 1967.	\$1.50 ca.
	<u>Nock Family Circus</u> , by Ursula Huber, Illus. by Celestino Piatti. Atheneum, 1968.	\$4.95
	<u>Land of Seagull and Fox—Folktales of Vietnam</u> , collected and retold by Ruth Q. Sun. Illus. by Ho Thanh Duc. Tuttle, 1967.	\$4.50
	<u>My Fair Lady</u> , By Monica Dickens. Illus. by Jerry Lazare. Four Winds 1967.	\$3.50
	<u>Mr. Miacca—An English Folk Tale</u> . Written and illus. by Evaline Ness. Holt, 1967.	\$3.45
	<u>Merry Wind</u> , written and illus. by Mircea Vasiliu. Day, 1967.	\$3.95

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	<u>Sir Francis Drake, a World Explorer</u> , by John Foster. Illus. by Gray Morrow. <u>Francisco Coronado, a World Explorer</u> , by Faith Yingling Knoop. Illus. by Dom Lupo. Garrard, 1967.	\$2.32 ea.
	<u>Four Days in Philadelphia 1776</u> , by Mary Kay Phelan. Illus. by Charles Walker. Crowell Collier, 1967.	\$3.75
	<u>Money Isn't Everything</u> , by Kathlyn Gay. Delacorte, 1967.	\$2.95
	<u>Some Kings and Queens</u> , by R. J. Unstead. Illus. by William Stobbs. Follett, 1967.	\$2.95
	<u>Fooing of King Alexander</u> , by Mervyn Skipper. Illus. by Gaynor Chapman. Athencum, 1967.	\$4.50
	<u>Hawaii Nei</u> , by Ruth M. Tabrah. Illus. by Herbert Kawainui Kane. Photos by Robert Wenkam. Follett, 1967.	\$4.99
	<u>Kuma Is a Maori Girl</u> , by Pat Lawson. Illus. by Dennis Hodgson. <u>Brenda of Ireland</u> , by Bryan MacMahon. Illus. by Wolfgang Suschitzky. <u>Christiane Lives in the Alps</u> , by Maria Mausthner. Illus. by Charles de Jaeger. Hastings, 1967.	\$3.33 ea.
	<u>Too Much Nose</u> , by Harve Zemach. Illus. by Margot Zemach. Holt, 1967.	\$3.95
	<u>Wallace the Wandering Pig</u> , by Judy Van der Veer. Illus. by Paul Galdone. Harcourt, 1967.	\$3.50
	<u>Two Stonecutters</u> , by Eve Titus. Illus. by Yoko Mitsuhashi. Doubleday, 1967.	\$3.95
	<u>Stilts, Somersaults, and Headstands, Game Poems Based on a Painting by Peter Breughel</u> , by Kathleen Fraser. Athencum, 1968.	\$3.75
	<u>Songs from Around a Toadstool Table</u> , by Rowena Bennett. Illus. by Betty Fraser. Follett, 1967.	\$3.50

<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	<u>Mystery of the Great Swamp</u> , by Marjorie A. Zapf. Illus. by Carl Kidwell. Atheneum, 1967.	\$3.81
	<u>Jacob and the Robbers</u> , written and illus. by Marlene Reidel. Atheneum, 1967.	\$4.50
	<u>Is Somewhere Always Far Away?</u> , by Leland B. Jacobs. Illus. by John E. Johnson. Holt, 1967.	\$3.95
	<u>Herse, The Fox, and The Lion</u> , written and illus. by Paul Galdone. Seabury, 1968.	\$3.50
	<u>Hauser's Memory</u> , by Curt Siodmak. Putnam, 1968.	\$4.95
	<u>Ghost of Windy Hill</u> , by Clyde Robert Bulla. Illus. by Don Bolognese. Crowell, 1968.	\$3.50
•	<u>Gabrielle and Selena</u> , by Peter Desbarats. Illus. by Nancy Grossman. Harcourt, 1968.	\$2.95
	<u>Gabby's Magic Brooms</u> , written and illus. by Marietta Caldwell Schumacher. Little, 1968.	\$3.50
•	<u>Friends and Enemies</u> , by Naomi Mitchison. Illus. by Caroline Sassoon. Day, 1968.	\$3.95
	<u>Four Clever Brothers</u> , by the Brothers Grimm. Illus. by Felix Hoffmann. Harcourt, 1967.	\$4.50
	<u>Felix the Bald Headed Lion</u> , written and illus. by Kenneth Townsend. Delacorte, 1967.	\$3.95
	<u>Five Dolls and Their Friends</u> , by Helen Clare. Illus. by Alike Brandenburg. Prentice-Hall, 1968.	\$3.75
	<u>Story of Lyndon B. Johnson</u> , by Shirlee P. Newman. Illus. with photos. Westminster, 1967.	\$3.25



<u>Obj.</u>	<u>Library Books</u>	<u>Cost</u>
	<u>Skip Around the Year</u> , by Aileen Fisher. Illus. by Gioia Fiammenghi. Crowell, 1967.	\$3.50
	<u>Stolen Necklace, A Picture Story from India</u> , written and illus. by Anne Rockwell. World, 1968.	\$3.95
	<u>Seeing Red</u> , written and illus. by Robert Jay Wolff. Scribner, 1968.	\$3.44
	<u>Secret Shoemakers and Other Stories</u> , by James Reeves. Illus by Edward Ardizzone, Abelard, 1967.	\$3.25
	<u>Sir Gawain and the Green Knight</u> , retold by Constance Hicatt. Illus. by Walter Lorraine. Crowell, 1967.	\$3.50
	<u>Emperor and the Kite</u> , by Jan Yolen. Illus. by Ed Young. World. 1967.	\$3.95
	<u>Elli of the Northland</u> , by Margaret Ruthin. Farrar, 1968.	\$3.50
	<u>Cleopatra Goes Sledding</u> , by Andre Hodeir and Tomi Ungerer. Grove, 1968.	\$3.95
	<u>Brother of the Hero</u> , by Lev Kassil. Trans. by Anne Terry White. Braziller, 1968.	\$3.95
	<u>Cloud of Summer</u> , by Doris Johnson. Illus. by W. T. Mars. Follett, 1967.	\$3.50
	<u>Brave Soldier Janosh</u> , written and illus. by Victor G. Ambrus. Harcourt, 1967.	\$3.50
	<u>Birds, Frogs and Moonlight</u> , translated by Sylvia Cassedy & Kunihiro Suetake. Illus. by Vo-Dinh. Doubleday, 1967.	\$3.50
	<u>Books: A Book to Begin on</u> , by Susan Bartlett. Illus. by Ellen Raskin. Holt, 1968.	\$2.95
	<u>Bettina's Secret</u> , by Britt G. Hallqvist. Trans. from the Swedish by Anne Parker, Harcourt, 1967.	\$3.25

Reference Books  
Magazine Subscriptions

<u>Obj</u>	<u>Distributor</u>	<u>Cost</u>
	<u>Compton's Illustrated Science Dictionary.</u> Compton, 1968	13.50
	<u>Merit Students Encyclopedia, 20 vols.</u> Crowell-Collier, 1967	289.50
	Subscriptions to local newspapers	
	Magazine subscriptions including the "N. Y. Times Student Weekly," "Scholastic Magazine," "Weekly Reader," "Jack and Jill," and "Highlights".	
	<u>D. C. Guide Books</u> including Grayson, Carl T., editor. Washington '68. Washington, D. C.: Potomac Books, Inc., 1968.	
	<u>Going Places with Children.</u> Green Acres School. Rockville, Maryland.	
	<u>Fl. Lincoln Utilization Manual,</u> General Learning Corporation, Washington, D. C. (one copy each stage.)	
	Davis, J. P. <u>American Negro Reference Book.</u> N. Y.: Prentice Hall, n. d.	19.95

**IMPORTANT:** Several books which required description are listed in the teacher "Idea Book" along with xeroxed descriptions. These books should also be ordered for Fort Lincoln. See the "Idea Book" for ordering information.

## DESCRIPTION OF THE EQUIPMENT LIST

This Equipment List has items listed according to the four Stages at Fort Lincoln. Under each Stage the items are categorized under headings as follows:

Instructional Materials

Audiovisual Software

Miscellaneous

Musical Instruments

Art and Craft Supplies (including paper; woodworking; and  
sewing, knitting and weaving)

Within these broad categories, equipment is further denoted by subject area:

Discovery

Reading

Communication Skills

Math

Health

Science

Social Studies

Arts and Humanities

Miscellaneous

In addition to the sections listing equipment for each Stage, there are separate lists of:

Minimum Standard Indoor/Outdoor Apparatus and  
Sports Equipment for Stages II, III and IV

Minimum Standard Art and Craft Supplies for  
Stages III and IV

Minimum Standard Stationery Items for use in  
Stages I, II, III, and IV

Items Recommended for Additional Purchase in  
all subject areas

## Supplies Available From Parents, Students, Teachers, and Other Sources

In the format used on this list, the Stage, category of equipment, and subject area appear at the top of each page. Beneath, each item is listed separately along with distributor, number recommended for purchase for use by the entire Stage, and unit cost.

One important aspect of this list is that each item is cross-indexed with specific learning objectives. The objective is listed in the left hand column marked "Obj." To match the equipment item to the objective listed refer to the Book of Objectives for Fort Lincoln.

At the back of this list is a complete list of Publishers, Distributors and Equipment Manufacturers which correlates with the distributor or abbreviation given under the Distributor column.

In some cases on this list the unit cost is followed by a double asterisk which indicates that a description of the item is available by referring to the Book of Descriptions.

Specific unit costs are omitted for most items of indoor/outdoor and sports equipment, art and craft supplies, musical instruments, and stationery. Cost figures were estimated for these items using the basic recommended items listed in two books.\* For a complete discussion of the cost figures see the budget discussion in the "Guide to Implementation of the Fort Lincoln Elementary School Program" A separate list of standardized tests recommended for purchase is also given in the Guide.

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\*Nimnicht, G., McAfee, O., and Meier, J. The New Nursery School. New York: General Learning, 1968; and Equipment and Supplies. Bulletin 39. Washington Association for Childhood Education International, 1968.

Comments which apply only to a particular Stage.

Stage I      Instructional materials are not categorized by subjects since there is overlap and most of these materials apply to several subject areas.

The objectives are all Discovery objectives unless otherwise noted.

Indoor/Outdoor Equipment and Sports Apparatus is listed here for Stage I.

Stage III,      Musical instruments are listed only for Stage III since both  
IV      Stage III and IV will be housed together and share the use of instruments.

Art and Craft Materials for these two Stages are listed together for the same reason.

**Criteria for selection of materials:**

- o      Has demonstrated its effectiveness
- o      Is self-instructional, permitting self-pacing, immediate feedback, and self-evaluation
- o      Will facilitate achievement of specific performance objectives
- o      Is durable and safe
- o      Provides alternative ways to achieve a specific objective (aurally, usually, kinesthetically, etc.)

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Vis D	Color Cones	CP DT242	6	\$2.25
23.01				
11.01-11.06				
A-Vis D	Early Learning Kit	CP RE305	2	5.00
29.01				
A-Num	Peg Numbers	CP DN 122	4	3.00
15.08				
15.09	Peg Pounder	CP DT 800	6-8	3.50
21.12				
24.01	Work Bench	CP DT 260	2	3.00
24.06				
5.09	Puzzles (simple, 4-6 pieces) with knobs	CP DT 590	1 ea.	2.75 ea.
7.02		CP DT 591		
8.03		CP DT 592		
18.06		CP DT 593		
21.12		CP DT 594		
All	Puzzles *	CP DT 595	1 ea.	1.80 ea.
22.14		CP DT 284		
29.09	(simple CP, 8-14 pieces)	CP DT 286	1 ea.	1.80 ea.
10.21		CP DT 288		
	(beginner, 8-12 pieces)	6 puzzles	1 ea.	9.25
		CP DT 680		
	(intermediate, 8-16 pieces)	CP DT 170	1.75 ea.	1.75 ea.
		CP DT 171		
		CP DT 172		
		CP DT 173		
		CP DT 174		
		CP DT 175		
		CP DT 700		
		CP DT 701		
		CP DT 702		
		CP DT 703		
		CP DT 704		
		CP DT 705		
A-Aud D	Rhyming Puzzles	II 270 A-2		1.50

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Int C	Picture Seq. Cards	MB Hayes 7524		\$ 1.25
A-Num	Math Bingo (Nifty) 9590	Hayes		5.00
A-Num	Nifty Math Concept Cards (9580)	Hayes		4.75
A-Vis D , A-Int C	At School Set	MacMillan 27248		27.00 **
	Expander Kit for At School Set 27250	MacMillan 27250	4	7.95 ea.
	Teachers' Guide	MacMillan		3.75
SS52, 57 SS3	Concept Pictures (puzzles) Explorations in Beginning Social Studies	Harcourt, Brace, World		34.50 **
SS3, 71	My Home and Family Instructo Activity Kit	Instructo		4.50
SS7	The Negro (For Flannel Board)	Instructo		2.50

*Stage I*  
Instructional Materials

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
3.00				
33.00				
SS 7	Earth, Home of People	Silver Burdett		22.50
SS 30	Families Around the World	Silver Burdett		10.50
SS 68				
SS 71	Holidays & Special Occasions	Silver Burdett		10.50
SS 51				
56.04				
1.00				
3.00	At the Store	Scott		19.20
5.00				
6.00				
12.00				
25.00	Alphabet Talk	Teachers Publishing		3.95
SS 20	Cartocraft Beginners Globe G10BX0	Denoyer-Geppert Co.		22.00
SS 20.02	The 50 United States S1FSX	Denoyer-Geppert Co.		18.25
And D				
25.05	Get Set	Houghton		39.00**
25.06				
10.14	Jumbo Transparent			
10.15	Geometric Solids	CP DS 715		12.50
D-Geom	Geometric Forms	CP DN 219		12.50
21.15				
23.10	Sewing Cards	MB 9383	2	1.50
E-Time				
16.05	Day-by-Day Calendar	CP DN 311		3.00
3.17				
A-Vis D				
15.08	Match Mates	CP DN 125		2.95



Stage I  
Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
32.12	Magnets (bar)	CP DS 398	2	1.50
32.12	Magniks	CP DQ 462		1.25
32.12	Magnet (horseshoe)	CP DS 761	6	2.25
32.12	Encased Iron Filings	CP DS 741		.79
	Animal cage	LaPine Z8001		8.50
28.21	Aquarium kit	LaPine Z0141		37.50
21.14	Junior Lock Box	CP DT 737	2	8.95
29.07 32.12	Magnetic compass	BC 315-713	6	.40
17.09	Dial Produce Scale	CP DJ046		8.95
32.04	Rope & pulley set	CP DS 462		6.50
17.11 32.11	Thermometer (indoor-outdoor)	Hammett 5336		5.95
2.06	Tuning fork	CP DS 407		2.50
17.11 32.11	Thermometer	CP DS 266		12.00
	Plastic tubing	Cenco 182923/50 ft.		4.50
32.00 11.10	Liquid Prisms	CP DJ 325		4.95
32.12	Prism	CP DS 764		2.00
	Big eye/little eye	CP DS 050		5.95
17.11	48" Giant Working Thermometer	CP DS 266		12.00
32.12	Student Magnifiers	CP DJ 326	10	4.50

Stage I  
Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
32.12 B-C Som	Magnifier - Giant	Childcraft SM 216	2	5.50
17.08 24.10 B-C Som	Yardsticks	CP DJ 015	1 set	6/6.75
17.08 24.10	Rulers	CP DN 401	1 set	12/4.00
11.10 8.06	Color Paddles	Childcraft SP 128	3	1.50
32.05	Insulated wire 38"	BC S160		.75
	Doorbell	BC S403		1.65
	Knifedwitch	BC S162		.60
	Battery, dry cell	BC S466		1.50
	Receptacles	BC S164		2/1.60
	Light bulbs	BC S465		2/1.50

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Puzzles (cont'd.)			
	(intermediate, 8-16 pieces)	CP DT 374		
		CP DT 283		1.80 ea.
		CP DT 311		
		CP DT 290		
	(birds-in-a-tree)	CP DT 650		7.95
	(intermediate, 11-19 pieces)	CP DT 708		1.75 ea.
		CP DT 710		
		CP DT 712		
		CP DT 713		
		CP DT 714		
		CP DT 715		
		CP DT 722		
		CP DT 727		
	(15-27 pieces)	CP DT 386		
		CP DT 387		1.80 ea.
	(see inside, 10-18 pieces)	CP DT 216		
		CP DT 275		
		CP DT 278		
		CP DT 269		
		CP DT 270		
		CP DT 271		
	(21-34 pieces)	CP DT 467		
	Stage II *	CP DT 468		
		CP DT 476		
		CP DT 477		
		CP DT 415		
		CP DT 473		
	(nursery rhyme, 11-20 pieces)	CP DT 185		
		CP DT 186		
		CP DT 187		
		CP DT 188		
		CP DT 189		
		CP DT 190		
		CP DT 192		
		CP DT 193		
		CP DT 196		
		CP DT 312		1.80 ea.
		CP DT 313		

Stage I

Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	(stand up)	CP DT 501 CP DT 503 CP DT 504		2.25 ea.
	6 Puzzle Rack Wood Puzzles (18-28 pieces)	CP DT 254  Sifo 3A2 Sifo 4A0 Sifo 5A Sifo 6A0 Sifo 7A Sifo12A	6	6.50 ea.  1.80 ea.
13.16 6.02	Circular Sequence	CP DE 647 CP DE 648 CP DE 649 CP DE 650		3.50 ea.
10.04 10.02	Form Board	CP DN 100	8	3.75
10.06 10.07 B-Geom		SIFO 55	6	2.00
A-Vis D	Match Word Wood Puzzle (16-24 pieces) (see puzzles)	CP DA 651 CP DA 682 CP DA 683 DP DA 684		2.25 ea.
15.15 C-Frs	Fractional Circles Board	CP DJ 113	4	10.00
	Fractional Squares Board	CP DJ 112	4	12.00
	Fraction Pies	CP DN 230	4	7.95
	Fraction Blocks	CP DN 110	4	4.00
A-Lit C 6.01 5.07 11.06	Ben-G Puzzles	II 63085		3.50
	Alphabet Puzzle	II 63578		2.10

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Flannel Board	Instructo FM-320		9.95
	Metal Easel	Instructo E-3		11.95
	Pupil Pack (Flannel board sets)	Instructo No. 1301	2	6/9.95
A-Num 14.01 15.01	Pitfall	CP RRG21M		6.00
A-Vis. D. 25.01 25.05	Magnetic Letters	CP DA 083	4	2.00
15.08	Magnetic Numbers	CP DA 084	4	2.25
A-Num 15.09 8.03 6.04	Numberite	Judy No 710 711 (extra pegs)	4	3.25 1.25
14.01 15.04	Sequence Counter	CP DN 347	4	4.00
A-Num 21.06 23.08	Wooden Beads 100-1"	CP DT 302	4	6.50
5.00 10.03 29.06 21.15	Laces (colored)	CP DT 335	5	doz. / .60
23.09	Plexagons	Childcraft SM 139 (96 pieces)	2	5.00
23.09	Playsquares	Childcraft SM 1.1 (36 pieces)	3	2.00
23.09	Playrings	Childcraft SM 110 (24 pieces)	3	3.50
24.06 23.09	Nuts 'n Bolts	H 366	2	3.00
32.13	Turn-A-Gear	H 51	4	1.20

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
23.09 21.06	Wood Nuts 'n Bolts	CP DT 742		4.95
23.09 24.06	Bolt-Tight	DT 740		3.50
29.01 21.12 17.02 17.04	Inset Cylinders	CP DT 620 DT 621 DT 622 DT 623		6.95 6.95 6.95 6.95
A-Aud D 2.00 5.09	Sound Cylinders	CP DT 608		7.95
35.06	Twister	Milton Bradley 135		5.00
17.01 11.06	Jumbo Colored Rods	CP DJ 092	4	9.50
B-Geom 15.01 6.05 6.06 5.09 10.12	Property Blocks	Judy 791	4	7.95
A-Vis D 14.00 15.11 15.12	Counting Blocks	MB Hammett & Co. 8339	4	3.90
A-Num 10.12 10.13	Rubber Triangles	CP DT 673	4	5.00
B-Geom 5.00 10.23	Parquetry Blocks	MB 8439	4	2.00
B-Frs 12.13 14.01 21.00	Activity Board	Childcraft 8J353		5.00
29.01	Nesting Cubes	Childcraft 8M256		7.95

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
11.00	Giant Links	Childcraft 8J350		1.95
SS 52, 57, 71	Family & Community Members			
	White family	CP DB 292		8.95
	Negro family	CP DB 492		8.95
	Community Workers			
	White	CP DB 304		9.95
	Negro	CP DB 401		9.95
	Grandmother and Grandfather			
	White	CP DB 350		3.95
	Negro	CP DB 450		3.95
	Doctor & Nurse			
	White	CP DB 352		3.75
	Negro	CP DB 452		3.75
26.15	Puppets	CP Animals		
28.16		CP DG 471		2.50 ea.
28.17		CP DG 472		
28.18		CP DG 473		
33.04		CP DG 474		
33.02		CP Family		
21.02		CP DG 450 (White)		7.75 ea.
		CP DG 550 (Negro)		
35.07	Bean Bag Game (target & 6 bags)	Judy 17851		9.75
35.07	Ring Toss	CP DP 350	2	2.95
13.07	See-Quees	Judy Q 61 Q 65 Q 69	1 ea.	
13.16		Q 62 Q 66 Q 70		
6.02		Q 63 Q 67 Q 71		14.50 (set)
A-Int C		Q 64 Q 68 Q 72		
	See-Quees Cases (holds series 6)	Judy 106		8.50

Stage 1

Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
23.01 18.12	Hollow Blocks	Comm. Playthings B 65 (82 pieces)		248.00
35.00	Stairs (PR) with board	Comm. Playthings H 70 R 106		36.50 12.50
35.00 23.09	Swedish Variplay	Comm. Playthings U 55		36.50
32.17 18.12 23.01	Unit Blocks	CP DB 936		237.00
32.04	Small Solid Fleet of Six Toys	Comm. Playthings T 79		49.95
	Floor Train	Comm. Playthings T10		24.40
32.18	Riding Train	Comm. Playthings T45		42.50
35.00 32.16 32.14 32.15	Wooden Toys Derrick	CP DB 894		11.95
	Truck & Trailer	CP DB 148		7.75
	Tractor & Trailer	CP DB 261		9.00
	Bus	CP DB 146		8.95
	Fire Truck	CP DB 893		9.50
	Auto	CP DB 145		8.75
	Police Car	CP DB 136		8.95
	Fire Chief	CP DB 137		8.95
	Dump Truck	CP DB 892		8.95
	Diesel	CP DB 941		21.95
	Steam Roller	CP DB 262		7.25



# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Rocket	CP DB 130		8.25
	Ocean Liner	CP DB 241		7.25
	Tug & Barge	CP DB 242		7.25
	Cargo Carrier	CP DB 250		11.50
	Freighter	CP DB 238		6.25
	Airplane-Jet	Childcraft SB 258		10.95
	Airplane	CP DB 249		10.00
	Helicopter	Childcraft SB 390		2.50
28.16	Rubber Animals	Hammett B 272		10.95
28.17	10 farm	Hammett B 168		10.95
28.18	9 zoo	Hammett B 169		7.50
14.01	Counting Frame Basic set	CP DK 101-10		18.50
15.01				
15.11				
15.12				
33.05	Our Town	CP RB 659		9.00
33.06				
33.10				
29.09				
SS 40	Trains and Tracks	CP RB 943	2	15.00
32.18				
	Add-Ons	CP RB 944	2	6.95
35.00	Wood Ironing Board	CP DH 297		9.95
35.00	Wood Iron	CP DH 316		1.25
33.01	Wood Laundry Set	CP DX 135		3.50

Stage I

Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
35.00	Woodcrest Set Refrig. Stove Sink Cupboard	Comm. Play C 45		110.00
33.04				
	Doll High Chair	CP DII 302		8.95
32.09 D-Mon	Wood Cash register	CP DA 565		14.95
15.14 C-Mon				
	Play money (350 pieces)	CP DA 357		2.50
	Variplay screen	Comm. Play V60		37.50
12.00 21.00	Toy Telephone	CP DA 358		4.50
12.00	Intercom Set - private lines	CP RR 205		9.00
21.15 27.02	Lacing boot	CP DT 334	4	3.75
35.00 33.04 27.01	Doll Bath	CP DH 329		11.50
35.00	Doll Furniture	Comm. Play D 76		29.50
33.06 29.01				
	Doll House	Comm. Play D 50		36.00
33.02	14" doll White Negro	CP DD 266	2 ea.	5.25
		CP DD 267	2 ea.	5.25
	Evergreen Boy Doll Girl Doll	Comm. Play D 21		15.75
		Comm. Play D 22		15.75
	Evergreen Negro girl doll	Comm. Play D 26		15.75

Stage 1

Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
C-Som				
17.10	Aluminum liquid-measures set	CP DJ 070		9.50 (set)
21.13				
35.00	Balance blocks and boards	CP DP 157		22.95 (set)
21.15	Sew-sew boards	CP DT 226		3.50 (set)
21.06				
23.10				
17.07	Set of 20 children's rubber hands	CP DJ 006		4.50 (set)
32.11	Stethoscope	CP DD 181		3.00
A-Num				
7.03	Jumbo domino plaques (number s)	CP DN 142		8.25
15.02				
23.09	Tinkertoys	CP DT 248		3.50

Stage 1

Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
33.02	Evergreen Negro boy doll	Comm. Play D 27		15.75
	Child size cloth dolls			
	White boy	CP DD 187		17.95
	White girl	CP DD 188		17.95
	Negro boy	CP DD 275		17.95
	Negro girl	CP DD 276		17.95
28.18	Playtown Farm	CP DB 091		19.00
33.05				
SS 40.06				
33.02	Raggedy Ann and Andy	CP DQ 120		5.95
		CP DG 121		5.95
27.02	Dress-Me Doll	CP RD 312		6.95
21.14				
21.15				
35.00	House cleaning set (6 pieces)	Childcraft SH 158	2	4.95
35.00	Childsize Rocker	Comm. Play A 800	3	8.50
	Doll Bed	Comm. Play C 110	2	11.50
	Cradle	CP DH 403		9.75
35.00	Carriage	Comm. Play D 12		13.75
	Pots & Pans (9)	Comm. Play C 64		5.00
	Kitchen Utensils (5)	Childcraft SH 227		2.50
	Flatware (6 of ea.)	Childcraft SH 226		1.50
	Lunchcon set (6 of ea.)	Childcraft SH 225		8.50
	Cook & Bake set	MB 11900		2.00

## Stage 1

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
21.15				
21.14	Snapping frame	CP DT 600		3.95
27.02				
21.15				
21.14	Zipper Frame	CP DT 601		3.95
27.02				
21.15				
21.14	Large Button Frame	CP DT 603		3.95
27.02				
33.09	Three Pump Gas Station	Comm. Play M 43		4.25
10.05	Shape Sorting Box	CP DQ 949		5.00
21.12				
A-Vis D				
23.09	Lego blocks	CP DT 666		10.95
23.01				
B-Geom				
10.06	Magnetic Triangles	CP DN 389		2.50
3.13	Magnetic Squares	CP DN 390		2.75
	Magnetic Circles	CP DN 391		2.60
31.01	Metal dress-up mirror	CP DH 336		16.00
33.02				
31.01	Round flexible mirror	CP DJ 319		3.75
33.02				
9.04	Wonder Texture Box	CP DA 810		13.95
2.10				
3.19				
33.09	Role Hats	CP DP 250		5.50
B-Geom				
10.01	Pattern Play-Abstracts	CP DT 671		3.50
21.12				
6.07				
A-Vis D				
1.03	Pattern Play-Things	CP DT 672		3.50
10.01				
21.12	A-Vis D			
1.06	Paddle Mirrors and Stand	CP DS 053		11.50
	Teleidoscope	CP DS 561	2	4.00

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
6.05	Miniature Toys-By-the-			
3.01	Pound	CP DE 103		5.95
A-Vis D }				
10.05	Postal Station	CP DT 262		4.50
21.12				
1.10	Perception Plaques I	CP DA 389		3.00
(see perception lab)				
A-Num }	Perception Plaques II	CP DA 390		3.00
5.07	Pre-school Dominoes	CP DE 611		3.50
15.02				
A-Num. }				
10.22	Wood Numerals and			
15.08	Math symbols	CP DA 562		4.50
10.22	Wood Capital Letters	CP DA 093		6.50
25.02				
25.03	Wood Lower-case Letters	CP DA 561		6.00
25.04				
25.05				
B - C-Time				
16.05	Mini clocks	CP DN 750		3.50/do
to				
16.08				
8.01	Jumbo Hour Glass	CP DJ 065		14.95
16.03				
C-Time }				
16.05 to }	Clock Face Rubber Stamp	CP DA 388		1.65
16.08				
B - C-Time }				
16.05 to }	Clock Face with Movable			
16.08	Gears	CP DA 328		3.50
3.17				
16.08	Minute Minder	CP DA 370		3.50

Stage I  
Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Eval C				
7.00				
13.00	Matrix Games	Appleton		58.00 **
26.16				
12.03				
3.00				
3.00	Language Lotto	Appleton		48.50 **
12.14				
12.22				
12.17				
3.04				
A-Vis D				
A-Rel R	World About Us Lotto	H 115		1.25
3.00	Zoo Lotto	H 101		1.25
7.09				
28.16				
5.07	Go Together Lotto	H 121		1.25
28.18	Farm Lotto	H 104		1.25
A-Lit C	Jumbo Lotto	H 1500		2.50
6.09	What's Missing Lotto	Ed-u-Cards 120		1.25
B-Aud D				
25.06	What Letters Say	H 2300		1.98

\*Most of these objectives can be used with any of the lotto games.

# Stage I

## Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
6.06 3.05 6.03 A-Rel R A-Int C	Classification-Opposites- Sequence Charts	II 271		5.50
A-Rel R	Picture Word Builder	II (MB) 9379	2	.60
A-Rel R 1.10	Picture Readiness Game	II 2104	2	1.50
A-Lit C 5.07	Who Gets It?	II 2105		1.75
25.06 A-Vis D	ABC Picture Board	II 63575		12.85
11.03 A-Vis D	Color Match-ettes	II 82651	2	.60
25.06 15.08 A-Num	Problems in Color and Number	Kenworthy 2201		1.65
6.06 A-Lit. C 5.10 A-Rel. R.	Classification Game	Instructo 1014		5.95
33.03 SS 1, 2	Understanding Our Feelings	Instructo 1215		3.50
33.02 3.00 SS 1	My Face and Body (Flannel)	Instructo 284		3.95
7.14 17.04 17.07 15.00	Cuisenaire Kit	Cuisenaire CX-3E		59.50



Stage 1

Instructional Materials

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Num 15.01	Modern Math Kit (Flannel)	MB 7808		3.00
A-Num 15.01 15.09	Sets & Numbers	MB 7805		3.00
14.01 15.08 3.15	Flannel Numbers	MB 7802		2.00
A-Num 15.15	Flannel Fraction Parts	MB 7807		3.00
C-Frs 14.01 15.01 15.11 15.12	Counting Frame	MB 9370		16.00
A-Num 15.09	Number Fishing Game	Ed-u-Cards 605	2	1.25
A-Num 14.01 15.01	Counting Bar	Ideal 759	5	2.50
A-Num 17.08	Watch Us Grow	Donnelley's 731		3.95
C-Som. 15.08 14.01	Kinesthetic Numeral Cards & Discs	Donnelley's 1227		4.50
15.15 C-Frs	Discovering Fractions	Donnelley's 1072		4.95
14.01 A-Num. 15.01 B-Geom. 10.00	Magnetic Primary Counting Shapes	Donnelley's 530		4.95
35.00 15.01	Wall On Set Patterns	Donnelley's 1116		4.95
A-Num 35.00 14.01 15.08	Wall On Set Numerals	Donnelley's 1117		4.95

Stage I  
Instructional Materials

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Aud D	Rhyming Pictures (Flannel)	H 32		2.50
3.05 A-Vis D	Opposite Concepts (Flannel)	H 33		2.50
11.05 11.06	Color Recognition (Flannel)	H 55		2.50
25.06 B-Aud D	Toy Chest of Beginning Sounds (Flannel)	H 34		2.50
6.06	Classification (Flannel)	H 36		2.50
A-Reading	Reading Readiness Chart	H 270		4.50
A-Aud D	Objects that Rhyme	H 270 A-1		2.50
25.00	Flannel Letters	H 270 G-3 H 270 G-2		2.50 3.00
25.00	Building Letters (Flannel)	H 270 G-1		1.00
5.00 7.09 10.09 6.09 22.03 A-Vis D A-Aud D A-Rel R	Concept Builders	Appleton		48.00 **

Stage I  
Audiovisual Software

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
<u>Films and Filmstrips</u>				
33.09 SS 52, 57	Community Helper Series #1 402000			
	Grocer      Bus Driver			
	Fireman    Mailman	McGraw-Hill Films		35.00
	Doctor     Policeman			
	Community Helper Series #2 402060			
	Dentist     Service Station Attendant			
	Milkman    Street Maintenance Crew	McGraw-Hill Films		
	Librarian   Sanitation Dept. Crew			35.00
35.00	Dance Your Own Way	Bailey Films		120.00 buy
34.01		New York Public Library		6.00 rent
35.00	Introduction to Body Movements (Film 1)			125.00
35.00	Old Chief's Dance	EMS		75.00
34.01		Univ. of Oklahoma		
3.00	Filmstrip Series (9)	EB 8990		54.00 **
6.06	(Lang. Devel.)			
5.09				
1.04	Filmstrip Series (5)	EB 8580		30.00 **
18.04				
18.04	Sound Filmstrip Series (8)	EB 6402		60.00 **
2.14				
12.00	Read and Tell Series I	UEVA-ME 210		64.00 **
B-Lit C	(9 filmstrips, cassette)			
	Read and Tell Series II	UEVA-U 270		46.00 **
	(10 filmstrips)			
12.00	See and Tell	UEVA-ME 230		64.00 **
B-Lit C	(9 filmstrips, cassettes)			

Stage I  
Audiovisual Software

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
18.05	Classic Fairy Tales	Scholastic		
2.01	10 filmstrips	Mag. 6409 (SM)		75.00
3.00				
	<u>Arithmetic for Beginners</u>			
14.01	Series I	EB 9010		66.00 **
15.08	Series II	EB 9020		Combo. Price
16.00	Filmstrips			
14.01				
17.00				
A-Num				
	<u>Transparencies</u>			
11.06	We Learn the Colors and			
11.05	Their Names	HL-PC 31-0		18.95
A-Vis D				

Stage I  
Audiovisual Software

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Records</u>			
	Nursery Songs & Stories	Col. HIL 9521		1.17
	Hans Christian Andersen in Song & Story	Col. HIL 9526		1.17
A- Num				
14.00	Learning the ABC's and			
25.00	How to Count	Col. HIL 9509		1.17
C-Time				
16.00	Learning to Tell Time With Grandson Clock	Col. HIL 9543		1.17
	The Talking Record for Boys	Col. HL 9518		1.17
	The Talking Record for Girls	Col. HIL 9519		1.17
	Record Series	EB 5190		6.45
		EB 5192		6.45
		EB 5193		6.45
	Dance-A-Story			
	LE-102	RCA		3.49
	LE-104	RCA		3.49
	Recorded Classics Records	UEVA		
		UD 4203		4.79
		UD 8387		4.79
		UD 8479		4.79
		UD 8726		4.79
		UD 3624		1.89
		UD 3659		1.89
		UD 3666		1.89
		UD 3667		1.89
		UD 3710		1.89
		UD 3665		1.89
		UD 3707		1.89
		UD 3780		1.89
		UD 3720		1.89

Stage I  
Audiovisual Software

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>Cost</u>
34.01	Childhood Rhythm Records	ERS	5.00
35.00	Dance Along (Rec.)	Folkways 7651	5.00
34.10	Rhythm Instruments (Rec.)	Rhythm Productions	5.00
14.01	Let's Start Record		
34.03	Collection Records	SM-LS 5	22.74
34.10	Learning About Instru- ments (6 records)	CPDM 829	19.00
3.00	Building Basic English-Set A	Language Master 1010	49.00
	Verbs; Action Words - Set II	LM 111022	35.00
	Basic Concepts - Set III	LM 111023	35.00
	Vocabulary Builder Set I	LM 111011	35.00
	Vocabulary Builder Set II	LM 111012	35.00
	Vocabulary Builder Set III	LM 111013	35.00

Stage I  
Miscellaneous  
Test Materials

<u>Obj.*</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Vis D				
5.09	Perception Laboratory	CP DK 400		79.50**
7.02				
8.03				
18.06				
21.12				
22.14				
29.09				
10.21				
1.03.				
1.08				
1.10				
A-Vis D				
5.00	Listen, Mark, and Say			
1.02	Package	Appleton-Century Crofts		
13.00				
1.08	Classroom Set	Appleton-Century Crofts		96.00**
6.02				
6.03	Additional Booklet Set	Appleton-Century Crofts		22.00
6.04				
15.09	Match Mates Test Set	CP DN 126		1.25

\*All objectives listed in Stage I are drawn from the Discovery objectives unless otherwise noted.

Stage I  
Miscellaneous

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
24.00	Workbench	Comm. Play H10		42.50
35.00	Extra vise	Comm. Play H 11		9.75
23.14	Set of Tools	Comm. Play H 60		54.75
27.08	Tool Cabinet	Comm. Play H 65		14.50



Stage 1

Musical Instruments

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
34.10	Pianola	CP DM 925		9.00
34.10	Tonette	CP DM 360		1.25
34.11				
2.10				
34.10	Instruction Book			
34.11	for Tonette	CP DM 361		.60
34.03	Step Bells	CP DM 245		15.95
34.03				
34.10	Color Xylophone	CP DM 368	4	2.25
34.11				
2.10				
34.10				
34.11	Resonator Pipes	CP DM 002	2	6.00
34.00	Rhythm Band Set	CP DM 340		37.00
2.09				
2.09	Sand Blocks	CP DM 263		1.25
34.02	Pitch Pipe	MB 16801		2.50
2.10	Medium Tom-Tom	CP DM 309		3.75
2.10	Large Tom-Tom	CP DM 319		4.75
2.09	Gourds	CP DM 278		1.35

# Stage 1

## Outdoor/Indoor Apparatus and Sports Equipment

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
35.00	Balance Beam	Comm. Play M 30		11.25
35.07 21.06 35.07	Utility ball 6"	MB 19202	2	1.70
	Utility ball 5"	MB 19201	2	1.45
35.07 21.05	Clutch ball	CP DQ 486		2.00
17.10 21.13	Sand and Water Play Table with top	Comm. Play A61	2	54.75
21.13 21.06	Cans & Sifter Set	CP DP 233		4.75
	Pail and Shovels	CP DP 190		3.75
35.00	Nesting Bridges	Comm. Play R 34		34.75
35.00	Crossing Ladder	Comm. Play R 40		29.75
35.00	4ft. Ladder	Comm. Play R 24		11.75
35.00	3 ft. Ladder	Comm. Play R 23		9.75
35.00	Saw horses	Comm. Play R 20	3	11.75
35.00	Gang plank	CP DP 087		42.50
35.00	Jump rope	H 330	10	.30
35.00 32.14	Dump truck	CP RB 804M		20.00
35.00 32.14	Tractor & Trailer	Comm. Play T22		22.75
35.00 32.14	Wagons	CP DP 184 DP 185		10.95 8.95
32.14 35.00	Tricycles 12"	CP DP 181		17.50
	Tricycles 16"	CP DP 182		19.95
	Tricycles 20"	CP DP 183		21.95
	Wheelbarrow	Comm. Play C 150		16.75

# Stage I

## Minimum Standard Art and Craft Supplies

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 20 Students</u>
Paint brushes	Japanese hair, 2" brush, 12" handle	10
Paint brushes	1 1/2" brush, 12" handle	10
Paint brushes	3/4" brush, 12" handle	5
Paint brushes	Camel's hair or bristle, 1/2" to 1" thick, long handle (recommended artist's brush)	12
Chalk	1" x 4" poster art, white and assorted colors	2 boxes
Clay	Pre-moistened water base	100 lbs.
Containers	(Creative Playthings DA 426) 1/2 pt. or pt., plastic or metal, with covers, for paint	24
Crayons	Red, orange, yellow, green, blue, violet, black, brown, etc., jumbo size mixed colors	25 boxes or box ea. student
Crayons	Wax, oversize, unwrapped, 16 colors	100
Easels, double	Adjustable paint trays with holes for jars	4
Glue	Elmer's, washable school	1 gallon
Garbage can	Plastic, with cover, for clay	1
Plastic mustard containers	For glue	12
Markers	Felt tip, mixed colors	6
Modeling dough	Or plasticene	10 lbs.

\* A. & H. Objective 2.00 applies to the use of almost all art items listed here.

# Stage I

## Minimum Standard Art and Craft Supplies

<u>Item</u>	<u>Specifications</u>	<u>No. Per 20 Students</u>
Paint	Liquid tempura, non-toxic, 16 oz. jars - 6 each, red, yellow, blue, white; 4 each, black, green, brown, orange, turquoise, magenta	48 pts.
Paint	Finger paint, 3 each, red, yellow, green, blue, brown, black	18 pts.
Paint	Powdered tempura, 5 lb. each, white, violet, orange, brown; 7 lb. each, yellow, blue, red, black, green, magenta, turquoise; 2 lb. each, gold, silver	63 lbs.
Pipe cleaners	Multicolored and white	10 pkgs.
Scissors	Adult	2 pr.
Scissors	Blunt	1 1/2 doz.
Scissors	Blunt, left handed	6
Paste	Library	4 qts.
Highlight pens		6
Q-tips	For Q-tip painting	400
String		2 balls
Sponges 6"	For sponge painting and clean up 2" x 3"	5
Tongue depressors		200
Smocks	Plastic	4
Drawing pencils	Large diameter	6 doz.
Paste	Adhezo	4 gallons

Stage I  
Minimum Standard  
Art and Craft Supplies  
Paper

<u>Item</u>	<u>Specifications</u>	<u>No. Per 20 Students</u>
Paper, construction	12" x 18", assorted colors	16 pkgs.
Paper, finger paint	16" x 22", glazed shelf paper or gummed back paper, 8" x 10", assorted colors	5 pkgs.
Paper, manila	18" x 24", assorted colors	3 reams
Paper, poster	18" x 24", assorted colors	3 pkgs.
Paper, tissue	Assorted colors	3 pkgs.
Paper, unprinted news	18" x 24" and 24" x 36", (32 lbs. to ream)	4 reams
Paper, unprinted news	24" x 36" (32 lbs. to ream), assorted colors	3 reams
Paper, shelf	Wide shelf	2 rolls
Paper, duplicating		2 reams
Tag board	Manila, 18" x 24"	50 sheets

Stage I  
Minimum Standard  
Art and Craft Supplies  
Wood Working

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 20 Students</u>
Dowel rods	Assorted sizes (for play with blocks)	
Nails	Large heads, assorted sizes	6 lbs.
Pliers		2
Sand paper	Assorted numbers	
3" or 5" C-clamps		1
Balsa wood	B-C 315-986	34 blocks

Stage 1  
Minimum Standard  
Art and Craft Supplies  
Sewing, Knitting, Weaving

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 20 Students</u>
Yarn	Bright colors, cotton roving and wool	
Roving	B-C 193-100	1 each
Myrtle Green		
Colonial Blue		
Light Green		
Royal Blue		
Dark Brown		
Red		
Gold		
Yellow		
Black		
White		
Wine		
Reddish Brown		
Wool	B-C 194-100	1 each
Bright Red		
Yale Blue		
Hunter Green		
Kelly Green		
Yellow		
Brown		
Medium Blue		
Turquoise		
Light Pink		
Gray		
Black		
White		

Stage II  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Lit C	Match	Hammett 2106		1.00
A-Lit C	Match	Hammett 21.7		1.00
B-C Voc D	Sight Phrase Cards	Hammett 2205		1.00
B-Voc D	Group Size Picture Word Cards	Hammett 2200	2	2.00
D Voc D	Word Blend Cards	Hammett 1201		.75
D-Voc D	Vocabulary Seat Work (6)	Hammett R960	5	1.15
D-Voc D	Vocabulary Seat Work (6)	Hammett R990	5	1.15
D-Voc D	Three Letter Word Puzzle	Hammett 63577		1.85
D-Voc D	Four-Five Letter Word Puzzle	Hammett 63576		2.50
Multi Level	Reading Laboratory 1a	SRA		62.95 *
	My Own Book for Reading 1a	SRA	50	.73
CS 2.11	Phonetic Drill Cards	Hammett 8252		2.00
C-Aud D				
D-Voc D	Phonetic Quizmo	Hammett 9357		2.00
CS 2.12				
D-Aud D	Phonetic Rummy	Kenworthy 2156-A	2	1.50
A-Vis D	Problems in Color			
A-Num	& Number	Kenworthy 2201	3	1.65
B-Ref S	Picture Dictionary (10 books)	Knowledge Aid 4626	1 set	15.00
B-Int C	See-Quees Series 12	Judy Q1-Q2		22.75
A-Int C	Sequential Picture Cards	DLM P 162		3.00



Stage II  
Instructional Materials  
Reading

ATTACHMENT 1D

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	People Puzzles (8)	DLM P 101		4.50
C-Voc D	Opposites Concepts (flannel)	MB 33		2.50
B-Aud D	Rhyming Pictures (flannel)	MB 32		2.50
D-Voc D	Final Consonant Blends (flannel)	MB 47		2.50
	Peg-Flannel Board	Hammett 970		21.00
B-Aud D	Rhyming Pictures For Peg Board	Hammett 270B-1		1.50
A-Rel R	Pictures For Peg Board	Hammett 271-1		3.75
CS 13.09	Sequence Pictures for Peg Board	Hammett 271-3		1.15
C-Aud D	Consonant Pictures for Peg Board	Hammett 272-1		3.25
B-Aud D	Rhyming Chart	Ideal 526		2.00
C-Aud D	Initial Consonant Substitution (flannel)	MB 45		2.50
CS 2.09	Long & Short Vowels			
CS 2.10	(flannel)	MB 49		2.50
D-Aud D				
Reading Readiness	Learning to Think	SRA		
	Red Book	SRA 3-6841	25	.85
	Lesson Chart	SRA 3-6842		6.48
	Blue Book	SRA 3-6851	25	.85
	Lesson Chart	SRA 3-6852		6.48
	Green Book	SRA 3-6864	25	.85
	Lesson Chart	SRA 3-6862		6.48
	Gold Book	SRA 3-6871	25	.85
	Lesson Chart	SRA 3-6872		6.48

Stage II  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>	
Dis. 3.00	Peabody Kit Level #2	American Guidance Services			**
	Frostig Program Box	Follett (F)	3560	98.62	**
	Frostig Test Examiner's Kit	Follett	3570	10.50	
	Test Booklets (100)	Follett	3579	1 set 38.50	
	Beginning Pictures & Patterns	Follett	3585	25 .75	
	Teacher's Guide	Follett	3586	1.59	
	Intermediate Pictures & Patterns	Follett	3590	25 .84	
	Teacher's Guide	Follett	3591	1.59	
	Advanced Pictures & Patterns	Follett	3595	25 .95	
	Teacher's Guide	Follett	3596	1.59	
	Training Guide (Programmed)	Follett	3599	2 3.96	
	Overlays	Follett	3552	3.48	
Multi Level	I Wonder Why Readers	Holt		66.60	**
CS 2.09 D-Aud D	Vowel Pictures for Peg Board	Hammett 274-1		4.30	
	Pegs	Hammett 278P		.80	
	Magic Cards	Hammett 271-2		1.50	
	Magic Cards	Hammett 272-2		2.10	
D-Voc D	Magic Cards	Hammett 273-2		1.00	

Stage II  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
D-Aud D	Magic Cards	Hammett 274-2		1.50
D-Voc D	Blends & Diagraphs Pictures for Peg Board	Hammett 273-1		2.00
A-Eval C	What's Missing Story Cards	Hammett 7523		2.00
Dis. 29.01				
Dis. 29.02	Space Relationship Cards	Hammett 7522		1.50
Dis. 13.09 } A-Int C	Sequence Cards	Hammett 7524		1.25
	Useful Signs To See & Read	Hammett 7509		3.00
C-Aud D	Beginning Consonant Poster Cards	Hammett 7514		3.00
CS 2.09				
D-Aud D	Vowel-Links Poster Cards	Hammett 7515		3.00
B-C-Aud D	What the Letters Say	Hammett 2300		1.98
B-Voc D	Read & Say Verb Game	Hammett 2307		1.50
B-Voc D	Group Word Teaching Game	Hammett 2203		1.98
B-Voc D } CS 2.12	Popper Words	Hammett 2201	2	1.00
	Popper Words	Hammett 2202	2	1.00
A-Lit C Dis. 5.02 Dis. 5.07	Who Gets It?	Hammett 2105		1.75
D-Aud D	Match the Vowel	Educational Aids		1.50
E-Str A B-Voc D } A-Num A-Vis D	The 3rd Syllable	Educational Aids		1.50
	Flash X	Childcraft 8L 274	2	7.95 **
Dis. 25.02 25.05, CS 2.07	Spin and Spell	Childcraft 8L 267		1.50

Stage II  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Special Edu. Reading (Masters)	Hayes SP 101		3.00
Multi Level	Michigan Language Program	LRA	200	20.00 **
B-Int C	Sec-Quees Series 12	Judy Q1-Q2		22.75
CS 2.24	Spill and Spell	Hammett 4223	3	2.00
	Senior Activity Puzzles	CP DT 507 CP DT 508 CP DT 510 CP DT 010 CP DT 012 CP DT 013 CP DT 014 CP DT 045 CP DT 046 CP DT 047 CP DT 048	1 ea.	2.00
A-Int C	Words & Action	Holt		28.00 **
A-Int C Dis. 1, 3 5, 6, 12	Talk Starter Kit	Scott-Foresman		19.20 **
CS 2.14	My First Dictionary	Hammett 67553	5	1.95
A-Aud D	Objects That Rhyme	Ideal 270-A-1		2.50
A-Aud D	Listen & Speak To Read Masters	Hayes		3.50
A-Vis D A-Lit C	Reading Lottos	CP DE 605 CP DE 606 CP DE 607 CP DE 608 CP DE 609	1 ea.	2.95
A-Vis D	Match Word Word Puzzles	CP DA 681 CP DA 682 CP DA 683 CP DA 684	1 ea.	2.25

Stage II  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
C-Voc D	Word Builder	CP DE 664	3	3.75
A-Vis D B-Ref S }	Interlocking Letters	CP DE 641	3	2.00
CS 1.00, 10.00	Everyday Language Skills	Instructor 616		3.00
C-Aud D D-Voc D, D-Aud D }	Phonics with Write & See (12)	Appleton	1 unit	38.40 **
C-Aud D D-Voc D }	Making Sounds with Write & See (12)	Appleton	1 unit	56.96 **
B-Voc D CS 1.18	Learning Action Words	Kenworthy (K) B-3411	10	.85
CS 1.18 CS 1.25	Sentence Builder	K 2124	3	.60
CS 2.11	Doghouse Game	K 2155	5	1.50
CS 2.10 D-Aud D	Junior Phonetic Rummy	K 2154	2	1.50
	Clear Stencils	DLM M137		5.50
Multi Level	Kinder Owl Books	Holt		39.75 **
Multi Level	Little Owl Books	Holt		64.35 **
CS 1.05	Pre-Writing Recorder	Hammett 64533	10	.59
CS 1.09	Manuscript Writing Recorder	Hammett 64508	15	.52
CS 1.09	Manuscript Writing Recorder	Hammett 64505	15	.59

Stage II  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
B-C-D-Mon F-Com	Toy Money	MB 9315	6	1.25
Art 2.16 D-E-Geom	Geoboard	Cuisenaire CG 9	10	1.50
AII 2.15	Psyche Paths	Cuisenaire M8	3	4.00
AII 2.15, 2.16	Moby Lynx	Cuisenaire M3	3	3.98
AII 2.15	Spirograph	Cuisenaire M5	2	3.98
A-Num, A-Add A-Sub, B-Num, B-Add & Sub	Student Number Lines Teacher Demon. No. Line	Knowledge Aid 9783B Knowledge Aid 9784A		144/7.50 12/24.00
B-Add & Sub	Related Facts Flash Cards	MB 7608	5	1.10
A-Num A-Add & Sub	Link Numbers	MB 9518	5	1.00
Multi Level	Duplicating Books - Arithmetic	Milliken N10-N16	1 set (7 sets)	3.25
	Duplicating Books - Modern Arithmetic	Milliken MA1-MA6	1 set (6 sets)	3.25
A-Num.	Magnetic Symbols & Numbers	LaPine Z-8804	4	5.50
C-Frs.	Rubber Fraction Pies (9)	CP DN230		7.95
A-Add, B-PV	Sum Stick	CP DJ 017	2	4.95
Dis. 7.00	Dienes Logical Blocks	CP DK 007-2		19.50 **
Dis. 7.00	Dienes Publications	CP DK006-18 CP DK006-f9 CP DK006-20 CP DK006-21		2.45 1.95 1.75 2.45
Multi Level	IPI Math	Appleton	200	12.00

Stage II  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
Sci St 12a E-Time	Day-To-Day Calendar	Judy 776	3	7.95
A-Num	Ten Little Indians (flannel)	Instructo 776		3.95
Sci N-1 A-Num	Set Dominoes	Instructo 1120	3	4.95
B-Add & Sub	Cuisenaire Kit (24 sets)	Cuisenaire CX-3E		59.50
E-Time	Telling Time Flash Cards	MB 245	2	1.00
A-Num	Counting Man	SRA 3-612		21.00
	Set of Fingers	SRA 3-619	3	.80
C-PV	Place Value Indicator	Hammett 9004		3.00
D-Add	Flash Cards, Addition	Instructor 531	6	2.25
	Self Teaching Arithmetic Books	Scholastic (SM)		
B-Add & Sub	Book 1	SM	15	3.95
C-Add & Sub	Book 2	SM	15	3.95
C-D-Add	Book 3	SM	15	3.95
C-D-Sub				
D-Mult, D-Div	Book 4	SM	15	3.95
E-Mult, E-Div	Book 5	SM	15	3.95
C-PV	Place Value Peg Holder	Judy 725	4	4.25
G-Geom	Geometric Forms III	Judy 736	2	7.95
A-Num	Numberite	Judy 710	5	3.25
B-PV, C-PV D-PV, D-Add, E-Add	Abacus	Hammett 748	4	4.75
C-PV	Place Value Chart	Hammett 755		4.25

Stage II  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Num, B-Geom	Math Bingo (40 cards)	Beckley 9590		5.00
D-Mon	Wood Cash Register	CP DA565	2	14.95
B-Time	Time Teacher	Hammett 67601	3	1.20
A-Num, A-Add B-Num,	Counting Blocks	Hammett 8039	3	3.90
A-Num, A-Add, B-Num,	Plastic Counters	Hammett 7616	3	1.00
	Classroom Counting Frame	Hammett 9370		16.00
	Tens-Tens Counting Frame	Hammett 9316	5	3.00
A-Num	Dominoes	Hammett 82669	2	8.00
D-Geom	Math Study Sets (17)	LaPine Z-9685		80.00 **
	Number Concept Chart	Hammett 525		2.00
B, C, D, E-Mon	Dollars & Cents Place Value Kit (flannel)	Hammett 764		1.25
B-Som, C-Som	Measurement (flannel)	MB 226		2.50
A-Frs. B-Frs. C-Frs. D-Frs.	Fractional Parts (flannel circles)	MB 225		1.95
	Fractional Parts (flannel squares)	MB 220		1.25
C-Som D-Som	Liquid Measures	Beckley 773	4	7.50
	Peg Board	Hammett 1010W	5	1.30
	Pegs	Hammett 1051		3.75



Stage II  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
B-Som C-Som	Beginner's Yardstick	Hammett R360	6	.95
B-Som, C-Som	Learner's Rulers (12)	CP DN401	1 set	4.00
	Pupil Packs (flannel) 6	MB 1301	1 set	8.95
	Kalah	Childcraft SG104		7.00
	Tape Measure (12)	D.C. Schools S-M-20	1 set	.80

Stage II  
Instructional Materials  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Test Tubes with corks to fit	Cenco 15785-8	1 case	48.10
	Brushes	Cenco 10968-2	10	.16
	Beakers	Cenco 14265-250	24	12/5.52
	Weather Vane	BC S 813		3.00
	Barometer (demonstration)	Cenco 76857		19.95
	Anthill	CP D 5387		6.95
	Electric Bell	Cenco 84010-1	3	2.00
	Prism (2")	CP DS 393	2	1.00
	Prism (6")	CP DS 764	2	2.00
	Tuning Fork	CP DS 407	2	2.50
	Iron Filings	CP DS 134	2	2.50
	Magnetic Compass	Cenco 78430-2	6	6.00
	Bar Magnets	Cenco 78275-1	2	1.00
	U Magnets	Cenco 78340	2	2.85
	Horseshoe Magnet	Cenco 78320	2	.95
	Dry Cells	Cenco 79139	3	3.00
	Magnifying Glass	BC 148-122	6	1.40
	Copper Wire (spool)	Cenco 89540-16		3.15
	Safety Goggles	Cenco 16461	40	.65
	Portable Tool Center	N.J. PTC 100		845.00 *
	Science Program	Dept. of Educ. AAAS and/or EIS		1,000.00

Stage II  
Instructional Materials  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Child Size Scale	CP RH 277		7.50
	Thermometer (Indoor- Outdoor)	Hammett 5336		5.95
	Rocket Engine Model	BC REM 4501		12.00
	Egg Incubator	BC 147-629	3	4.10
	Aquarium Kit	LaPine Z0141		57.50
	Beginners Microscopes	Cenco 60920-2	10	15.00
	Stethoscope	Cenco 43561		3.00
Sci OB 10	We Dress For the Weather	MB 285		4.95
	Fischertechnik	CP DT 751	2	14.95
	Animal Cage	Cenco 44053	2	6.70
	Science Carts	Cenco 19106	2	40.00

Stage II  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
Dis. 33	Everyday Pictures Posters	BC 577		2.25
SS 52, 57	Community Helpers Posters	BC 558		2.00
	Community Helpers Activities (Masters)	BC 711 BC 712		3.50 3.50
SS 52	Modern Workers Posters	BC 572 BC 573		2.50 2.50
AH 35, SS 40	Urban Environment Pictures	Scholastic LS 6		7.00
SS 18 to 22	Map Skills Project Book Teachers Edition	Scholastic 0001	10	.30
SS 20	US Map Puzzle (30 pieces)	Hammett 3F	3	5.00
SS 33	Earth in Space (flannel)	Hammett 7811		4.00
SS 52	The Community (flannel)	Hammett 147		2.50
SS 20 to 23 SS 33, 34, 41, 22.01, 22.03, 22.05, 22.08, 22.09, 22.10, 22.11, 22.13	Cartocraft Beginners Globe	Denoyer-Geppert G10BX10	2	22.00
SS 20 to 23	50 United States	Denoyer-Geppert S1FSX	18.25	
AH 32.02	Eight Animal Puppets	Comm. Play. S 25		18.50
SS 52, 57, 71	Family & Community Members			
	White Family	CP DB 292		8.95
	Negro Family	CP DB 492		8.95
	White Community Workers	CP DB 304		9.95
	Negro Community Workers	CP DB 401		9.95
SS 3	My Home & Family (flannel)	Beckley 1034		4.95

Stage II  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 20.00				
SS 21.00				
SS 21.10	US Rubber Relief Map	CP DA 351		17.50
SS 1,2	Understanding Our Feelings	Instructo 1215		3.50
Dis. 33.00	Life in Our Community			
SS 40.05	Book I	MB 7358		3.75
52.01,56	Book II	MB 7359		3.75
	Black American Achievement Posters (20)	BC 302-950		3.00
SS 40, 50, 51 56	Our Working World	SRA		
	<u>Grade 1</u>			
	Records	SRA 3-5754		29.50
	Hardbound Text	SRA 3-5751	10	3.21
	Activity Book	SRA 3-5752	30	.72
	Teacher's Resource Unit	SRA 3-5753		4.95
	<u>Grade 2</u>			
	Records	SRA 3-5804		22.50
	Hardbound Text	SRA 3-5801	10	3.36
	Activity Books	SRA 3-5802	30	.72
	Teacher's Resource Unit	SRA 3-5803		4.95
	<u>Grade 3</u>			
	Hardbound Text	SRA 3-5851	10	3.63
	Activity Book	SRA 3-5853	30	.81
	Teacher's Activity Book	SRA 3-5854		.81
	Teacher's Resource Unit	SRA 3-5852		4.95
	The Man in Action Series			
SS 3,72	<u>Level A</u>			
	Text	Prentice-Hall (PH) 65671-0	5	1.20
	Teacher's Edition	PH 65672-8		1.20
SS 28, 63, 66	<u>Level B</u>			
	Text	PH 65673-6	5	1.26
	Teacher's Edition	PH 65674-1		1.26
SS 33, 58, 67, 71	<u>Level C</u>			
	Text	PH 65680-1	5	3.60
	Teacher's Edition	PH 65681-0		3.60

Stage II  
Instructional Materials  
Social Studies

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>	
SS 68	Children of the World	MacMillan			*
SS 71	Dirk Lives in Holland	77612		2.44	
	Genmer Lives in Ethiopia	77618		2.57	
	Elle Kari (Lapland)	77620		2.94	
	Eli Lives in Israel	77623		2.94	
	Marko Lives in Yugoslavia	77652		2.94	
	Mokihana Lives in Hawaii	77685		2.25	
	My Swedish Cousins	77697		3.24	
	Noy Lives in Thailand	77711		2.94	
	Randi Lives in Norway	77714		2.57	
	Sia Lives in Kilimanjaro	77729		2.94	
	Matti Lives in Finland	77664		2.57	

Stage II  
Instructional Materials  
Miscellaneous

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Blocks (Young Builder)	Cenco		12.00
	Fleet of Six Toys	Comm.Play. T59		49.95
	Derrick	CP DB 894		11.95
	Truck & Trailer	CP DB 148		7.75
	Auto	CP DB 145		8.75
	Dump Truck	CP DB 892		8.95
	Rocket	CP DB 139		8.25
	Airplane	Childcraft SB 258		10.95
	Helicopter	Childcraft SB 390		2.50
	Ironing Board	CP DH 297		9.95
	Iron	CP DH 316		1.25
	Laundry Set	CP DQ 135		3.50
	Doll Bath	CP DH 329		11.50
	Doll Bed	Comm Play. C 110	2	11.50
	White 20" Doll	CP DD 198	2	7.00
	Negro 20" Doll	CP DD 197	2	7.00
	Childsize Rocker	Comm Play A 800	2	8.50
	Housecleaning Set	Childcraft SH 158		4.95
	Wood Puzzle Rack	CP DT 253	2	6.50
	Variplay Screen	Comm.Play.V60		37.50
	Tinkertoys	Hammitt 84465		5.50
	Easel (for flannel board)	MB E-3		10.95

Stage II  
Instructional Materials  
Miscellaneous

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
AII 2.00	Flannel Board	Hammett 7820		12.00
	Holder For See Quees	Judy 104		9.50
AH 8.02	Music Flannel Board	Beckley 126		9.95



Stage II  
Audio Visual Software  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Filmstrips</u>			
A-Aud D	Basic Primary Phonics			
D-Voc D	Group I	SVE	118-SA	
	Group II	SVE	118-SB	61.20
	Group III	SVE	118-SC	
Special Ed.	Functional Words	Warren Schloat Prod., Inc.		64.00
	9 Color Strips	No. 102		
	54 Flashcards			
	64 Page Workbook			
A-Rel R, A-B	Teachers Guide			
Int C	Developing Cognitive Skills	Kimbo		49.00 **
	<u>Films</u>			
A-Int C	Story Telling	Coronet	(Rental)	3.80
A-Int C, AH 15.02	Peddler & the Monkeys	Coronet	(Rental)	3.80
	<u>Cassettes</u>			
D-Voc. D	Learning Consonant Blends	IIL	PG44	12.95
A-Aud D	Gateway to Good Reading I	IIL		
A-Rel R			RK 12	279.00 * *
A-Vis D	Gateway to Good Reading II	IIL		
A-Rel R				
A-Rel R,				
B-Rel R,				
D-Lib S,				
E-Voc D,				
E-Ref S,				
F-Lit C	Imperial Primary Reading	IIL	R123C	319.00 **

Stage II  
Audio Visual Software  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-Aud D, PS 2.00	Sounds of My City	Folkways	7341	4.15
A-Aud D, PS 2.00	Too Much Noise	Folkways	0709	1.65
	<u>Programs</u>			
B-Voc D	First Steps in Reading	Grolier	TM002	10.00 **
	3 Honor Machines	Honor Prod. Co.		15.00/per**
	Rolls 301 501 506 103		1 ea.	2.50/per
	302 503 511 701			
	401 504 512 703			
	505 514			
A-Vis D, B-Voc D	Reading Readiness	Ed. Project.Corp.		360.00**
B-Voc D	Communications Skills Development Series	Knowledge Aid		179.00**
	<u>Records</u>			
A-Aud D	Sounds for Young Readers	Kimbo		29.88
	Vol. 1	Kimbo CM 1001		
	Vol. 2	Kimbo CM 1002		
	Vol. 3	Kimbo CM 1003		
	Vol. 4	Kimbo CM 1007		
	Vol. 5	Kimbo CM 1015		
	Vol. 6	Kimbo CM 1022		
A-Aud D Dis. 2.00	Downtown Story	Folkways	7070	4.15

Stage 11  
Audio Visual Software  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>		<u>No.</u>	<u>Unit Cost</u>
	<u>Filmstrips</u>				
B-Add & Sub	Addition Combination Filmstrips (4)	SVE	536-SB		8.00
B-Add & Sub	Subtraction Combinations Filmstrips (4)	SVE	536-SC		8.00
B-Num B-Add & Sub	Using Sets & Numbers (10 filmstrips)	Ginn			66.76
B-Add & Sub, D-Time B-Mon	Using Modern Mathematics Group 1-1 Filmstrips	SVE	531-SA		27.00 **
C-Add & Sub	Using Modern Mathematics Group 1-2 Filmstrips	SVE	531-SB		33.00 **
Geom PV, Num	Elementary Mathematics Filmstrips	J. C. Assoc.	9761		20.00
	Mathematics Background for the Primary Teacher (35mm filmstrips)	Knowledge Aids	9761		20.00 **
	<u>Programs</u>				
C-Time	Time Telling	Grolier	TM202		7.50
A-Num	Introduction to Numbers	Grolier	TM201		7.50
B-Add & Sub	Addition & Subtraction Facts	Grolier	TM203		10.00

Stage II  
Audio Visual Software  
Health

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
H4	The Primary Way Health Set The Primary Way Safety Set	SVE	PR 567-S	37.40
H4 , H7	Learning About Health	Encyclopedia Brit. 6426		75.00**
SS 2, 7, 32 H8	Learning About People	Encyclopedia Brit. 9920		19.90**
H7	<u>Films</u> Stanley Takes a Trip	<u>Rental</u> Contemporary Films 330 W. 42nd Street New York, New York Purchase NFBC		8.50    100.00
H4, H7	Nutrition Education Series 1-5	Newenhouse (Wexler)		900.00**

Stage II  
Audio Visual Software  
Science

<u>Obj.</u>	<u>Item</u>		<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Single Concept Film Loops</u>				
Sci CL 3, SS 69.02 SS 69.05	Let's Look At Animals	Alden	400271		60.00
Sci CL 46	Life in an Aquarium	Alden	404110		60.00
Sci CO6b	Baby Animals	Alden	400350		60.00
	Electricity Works for Us	Alden	402073		70.00
	<u>Tapes</u>				
SS 33	Let's Find Out About the Seasons	IIL	SG 48		4.25
Sci OB 14	Let's Find Out What Makes Things Move	IIL	SG 411		4.25
Sci OB 11	Let's Find Out About Magnets	IIL	SG 42		4.25
Sci CO 6b	Let's Find Out About Animal Babies	IIL	SG 43		4.25

Stage II  
Audio Visual Software  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Single Concept Film Loops</u>			
SS 68, 71, 73	Family Life of Desert Nomads	Ritz (R)	D5-303	21.50
SS 40	Sahara Market Towns	Ritz	D5-307	21.50
SS 40	City Life in West Africa	Ritz	D5-310	19.50
SS 68	Dinner in West Africa	Ritz	D5-311	19.50
SS 68	Labor in West Africa	Ritz	D5-313	19.50
SS 68, 71, 73	Home in Africa	Ritz	D5-312	19.50
SS 68, 71, 73 50.05	An Evening at Home with a Japanese Family	Ritz	D5-325	23.00
SS 68, 71, 73 50.05	Family Life in Bangkok, Thailand	Ritz	DK 347	21.00
SS 40	City Life in Eastern Europe	Ritz	D5-397	19.50
SS 68, 71, 73 50.05	An Evening at Home with a Polish Family	Ritz	D5-400	19.50
SS 40	City Life in Middle America	Ritz	D5-414	19.50
SS 71	People of Middle America	Ritz	D5-417	19.50
All 33, SS 40	Faces in the City (8mm)	Ritz	C6-400	18.50
	City at Work	Ritz	C6-401	18.50
	Moving City	Ritz	C6-403	18.50
	Where I Live	Ritz	C6-404	18.50
	Forms of the City	Ritz	C6-407	18.50
	Close Ups	Ritz	C6-406	18.50

Stage II  
Audio Visual Software  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 48.04	<u>8mm Sound Films</u> Negro Heroes From American History	Ritz	D24-S723	72.00
SS 52	<u>Films</u> Duke Thomas, Mailman	Alden Films	Rental	7.50
			Purchase	170.00
SS 52	Father's Work	Alden Films		39.00
SS 52	Mother's Work Too	Alden Films		39.00
	Airport Service	Alden Films		39.00
SS 40	A City is Many Things	Alden Films		32.50
SS 1	They Need Me	Alden Films		26.00
SS 61	<u>Filmstrips</u> Bill of Rights Background 4 color strips	Bailey	107	23.75
SS 53	Profit, Money, Banking	Bailey	106	23.75
	Children Aroung the Globe (4 filmstrips with sound cassettes)	UEVA UEVA UEVA UEVA	ME 801 ME 802 ME 803 ME 804	30.00

Stage II  
Audio Visual Software  
Arts and Humanities

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
All 15.00	<u>Filmstrips</u>			
	Classic Fairytales	EB	6409	75.00
	Classic Fairytale Reader Series - (6 ea. of 10)	EB	6520	67.25
	Tales of Jiminy Cricket No. 2	EB	6403	60.00
	Story Classics (8)	EB	8610	48.00
	Story Classics (8)	EB	9180	48.00
	Story Classics (8)	EB	8670	48.00
All 1, 3	Adventure Stories (8)	EB	8680	48.00
	Little Adventures in Art 4 color filmstrips 4 records Teachers guide	Warren Schloat Prod, Inc.		52.25
AH 7.03	<u>Tapes</u> We Learn the Sounds of the Instruments (tapes and books for 30)	IIL	1 set	59.50
AH 7.00 Dis. 34.00	Auditory Training with Rhythm Band Instruments	DLM	T138	3.25
AH 21.00 Dis. 34.00	<u>Records</u> Let's Play a Musical Game	Columbia	HL9522	5.95
AH 9.00 Dis. 34.00	Now We Know - Songs to Learn By	Columbia	CCL 670	5.95
AH 9.00	Piano Pieces for Children	CMS	6586	5.95



Stage II  
Audio Visual Software  
Arts and Humanities

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Records (cont.)</u>			
AH 15.01, 13 16.04, 16.08 SS 71.05	An Anthology of Negro Poetry for Young People	Folkways/Scholastic Records 7114		4.15
AH 15.01	Songs, Stories and Poetry, Primary (Unit 727)	Folkways/Scholastic 7011                7406 7532                7533 7021                7073 7103		24.25
AH 15	Walt Disney Story Books/ Records	EB                5280		12.00
AH 21.00 AH 26.00	Phoebe James Creative Rhythms	Educational Record Sales		5.00
Dis. 34.01 AH 21	Dance-A-Story	RCA                LE 101-108 Ginn & Co.		5.00
AH 21	Children Dance	RCA                LE 101-108 Ginn & Co.		5.00

Stage II  
Musical Instruments

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>		<u>No.</u>	<u>Unit Cost</u>
	Autoharp	CP	DM 361		42.50
	Autoharp case	CP	DM369		9.95
	Instructions	CP	DM 291		3.25
	Rhythm Band Set	CP	DM 340		37.00
	Step Bells	BC	246-297		7.00
	Xylophone	CP	DM 368	3	2.25
	Tom-Tom	BC	246-041		3.90
	Resonator Bells	CP	DM 245		15.95
	Sand Blocks	CP	DM 263	2	1.25
	Pitch Pipe	MB	16801		2.50
	Melody Bells	BC	224-402		6.95
	Handle Castanets	Hammet	WT-215-A	2	1.20
	Finger Cymbals	CP	DM 402		4.25
	Bell Blocks	Hammett	RB-720-S		50.00

Stage II

Minimum Standard  
Art and Craft Supplies

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Brushes	1" bristle; 12" handles and short handles	12
Brushes	3/4" bristle; mixed handles	18
Crayons		25 boxes
Chalk	Assorted colors	1 gross
Clay		50 lbs.
Containers	1/2 or 1 pt. ; plastic or metal with covers for paint	15
Easels		12
Garbage Can	Plastic with cover and liner for clay	1
Glue	Elmer's, washable school	1 gallon
Laundry Starch	Liquid for making finger paint & papier mache	5 gallons
Oilcloth		6 yds.
Paint, finger	Assorted colors	5 qts.
Paint, powdered	Red, green, blue, yellow, magenta white, turquoise, black orange, brown, flesh	4 lbs. ea. 3 lbs. ea. 2 lbs. ea.
Paste	Library	6 pts.
Poster chalk		2 boxes
Scissors	Adult (sharp)	3
Scissors	Some blunt, some sharp	25
Scissors, lefthanded	Blunt and sharp	6
Yarn	Assorted colors	12 balls

\*A & II objective 2.00 applies to the use of almost all art items listed here.

## Stage II

### Minimum Standard Art and Craft Supplies Paper

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Bogus paper	12 x 18	3 pkgs.
	18 x 24	3 pkgs.
Coated paper	36" x 10 yd. rolls, assorted colors	3 pkgs.
Construction paper	100 sheets to pkg., 12" x 18", assorted colors	3 pkgs.
Corrugated paper	4' x 25', assorted colors	4 rolls
Crepe paper	20" x 7 1/2' flameproof, assorted colors	3 pkgs.
Finger painting paper	16" x 22", 100 sheets to pkg.	4 pkgs.
Manila paper	12" x 15", 500 to pkg.	4 pkg.
Manila paper	18" x 24"	1 pkg.
Poster paper	18" x 24", 500 to pkg., assorted colors	1 pkg.
Tissue paper	White and assorted colors	3 pkgs.
Newsprint paper	18" x 24"	3 reams
Newsprint paper	Colored	2 reams
Paper wiping tissues for paint rags	5000 to pkg.	2 boxes
Wrapping paper	36" wide	1 roll

## Stage II

### Minimum Standard Art and Craft Supplies Woodworking

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Alcohol		1 qt.
Beaver board, 2 pieces	4' x 12'	
Brace	Non-ratchet, and bits, various sizes, 1/4", 1/2", 3/4", 1"	1 ea.
Brads		1 box
Claw hammers	12, 13 oz. to 16 oz.	6
Dowel rods	Various sizes, 1/4", 1/2", 3/4", 1" to 2 1/2"	1 doz.
Enamel	Yellow, red, blue, violet, orange, black, green, brown, white	1 pt. ea.
Eye screws		1 box
Lumber	White pine, surfaced 4 sizes 1" x 4", 1/2" x 3", 1/2" x 1", 1" x 1" (for axles on vehicles); 1" x 4" (for bases on boats, cabins, etc.), in 4' and 6' lengths	
Molds	Wooden or button, 1", 1 1/2", 2 1/2" for wheels	1 ea.
Nail nipper	or 6" plier	
Nails	Finishing, 1 1/2"; with heads, 1 1/2", 2"; blue lath (fine shank head, 1" long); box, smooth wire, 1 1/2"; roofing, with large heads (to fasten wheels to axles)	several boxes
Paint, house	White, yellow, red, blue, black, green, violet, brown, orange (poster paint can be used)	1 pt. ea.
Paint remover		1 gal.
Rasps	Medium	2

Stage II

Minimum Standard  
Art and Craft Supplies  
Woodworking

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Sandpaper,	#1, #1 1/2"	1 quire
Shellac	White	1 qt.
Turpentine		2 qts.

## Stage II

### Minimum Standard Art and Craft Supplies Knitting and Weaving

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Burlap		6 yds.
Carpet warp		1/2 lb. spool
Cloth	Coarse unbleached muslin	10 yds.
Looper looms	28-L-95*	6
Loopers, large	Red, white, blue, yellow, black (1 ea.) 3 Assorted colors	8 pkg.
Meshcloth (Dixie)		
Needles	6-N-70,* crewel	2 pkgs.
Needles	embroidery	2 pkgs.
Sanisilk or silkateen	White, and colors for sewing	4 balls
Table	Tinted, 47" wide, oil cloth	5 yds.
Yarn,	Germantown rug	6 hanks

\*Refers to D. C. Standard Supply List.

Stage III  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Group Sounding Game	Hammett 2301		2.50
	Group Wording Teaching Game	Hammett 2203		1.98
E-1 Str A	Word Prefix Cards	Hammett 1202		.75
	Word Suffix Cards	Hammett 1203		.75
D-G Str A C-D And D D-Voc D	Reading Laboratory I: Word Games	SRA 3-1700		98.95 **
	Phonics Survey (Test)	SRA 3-1730	400	.18
CS 2.10 CS 2.11, D-Voc D C-D And D	My Own Book For Word Building	SRA 3-1710	25	.47
Multi Level	Reading Laboratory IC	SRA 3-2700		62.95**
Multi Level	My Own Book For Reading	SRA 3-2711	60	.73
Multi Level	Young Owl Books	Holt		73.50**
B-D And D	Durrell-Murphy Phonetics Practice Program	Harcourt-Brace & World		33.00**
CS 2.24 D-Voc D	Spill & Spell (Game)	Hammett 101	2	2.00
CS 2.11	Ends n' Blends (Game)	Childcraft SL 296		4.00
C-D And D D-Str A	Direct Approach to Reading and Spelling	Kenworthy 2195		24.95**
C-Lit C	Reading, Direct Approach	Kenworthy 2196		3.50
F-1 Lib S I-Org S	Practice in Library Skills	Instructor 151		3.50
CS 2.03 D-Str A	Phonetic Drill Cards	Hammett 8252	2	2.00



Stage III  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
E-Voc D	Password (Game)	Hammett 7503	1	2.00
G-Voc D	Homonym Poster Cards	Hammett 7510		3.00
E-Voc D	Synonym Poster Cards	Hammett 7513		3.00
CS 1.26	Everyday Language Charts	Instructor 611		3.00
G-Org S		Instructor 612		3.00
CS 2.11	Doghouse Game	Kenworthy 2155	2	1.50
CS 2	My Spelling Book	Kenworthy B-3406	25	.85
CS 2	Spelling Workbooks	CENCO 58488-050		3.25
		CENCO 58488-051		3.25
		CENCO 28488-052		3.25
		CENCO 58488-053		3.25
CS 1.29	Penskill II	SRA 3-6000		57.95**
	Student Writing Book	SRA 3-6010	100	.49
	Teacher's Handbook	SRA 3-6020		1.00
	Practice Cards (15)	SRA 3-6090	1 Set	1.00
CS 1.29	Handwriting Master Units	Hammett 20681	1	6.00
CS 1.29	Cursive Writing Recorder	Hammett 64509	10	.52
	Cursive Writing Recorder	Hammett 64510	10	.52
	Cursive Writing Recorder	Hammett 64511	10	.52
	Cursive Writing Recorder	Hammett 64512	10	.52

Stage III  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
E-Mult	The Winning Touch	Hammelt 702		4.00
SS 52.03, SS 53				
H-Com	Stocks and Bonds	Hammelt GA 170		7.95
G-H ST	On-Sets	ILC WP-001		4.00
	Programmed Math	McGraw-Hill		
C-Add	(Sullivan)	Book 1 (Skills) 61851	10	1.20**
		(Problems) 61761	10	.60
D-Add		Book 2 (Skills) 61854	10	1.20
		(Problems) 61862	10	.60
C-D Sub		Book 3 (Skills) 61855	10	1.20
		(Problems) 61863	10	.60
D-E Mult		Book 4 (Skills) 61856	10	1.20
		(Problems) 61864	10	.60
D-E Div		Book 5 (Skills) 61857	10	1.20
		(Problems) 61865	10	.60
D-E Frs		Book 6 (Skills) 61858	10	1.20
		(Problems) 61866	10	.60
F-Add, Sub, Mult, } Div, Frs		Book 7 (Skills) 61859	10	1.20
		(Problems) 61867	10	.60
D-F Som		Book 8 (Skills) 61875	10	1.20
		(Problems) 61890	10	.60
		Guide 61885		5.73
		Placement Examination 79778		2.43
		Progress Tests 61888	10	.75
E-Geom	Geometry Unit	Judy 740		4.95
	Math Diagnostic Tests	Kenworthy		
	Addition	2510		1.00
	Subtraction	2511		1.00
	Multiplication	2512		1.00
	Division	2513		1.00
F-Som	Four-sided Meter Stick	CENCO 7310S	3	9.00
F-Som	English-Metric Rulers	CENCO 58485-002		24/3.00
E-Mult	Multiplication Combinations	LaPine Z8472		8.00
D-Div	Division Combinations	LaPine Z8473		8.00
F-ST	Perception Games	CP RQ003		4.00

Stage III  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
A-D Num	Kalah	Childcraft SG 104		7.00
AH 2.16 Geom	Geo-D-Stix	Childcraft SM 332		6.25
	Modern Arithmetic	Milliken MA7		3.25
	Modern Arithmetic	Milliken MA8		3.25
	Magnetic Symbols & Numbers	LaPine Z 8804		5.50
D-Add, D-Sub, E-Mult E-Div	New Math Self-Testing Cards	LaPine Z 8676 Z 8677 Z 8678 Z 8679		3.60 3.60 3.60 3.60
G-Num, F-Com	Tuf	Cuisenaire M-6		7.00
	Linear Measurement	CP DK 120-10		24.00
B-Add & Sub	Math Balance	CP DN 762	2	7.95
D-Frs	Spinner Fraction Squares Problem Board	CP DN 250		6.50
F-Geom	Geometric Forms	Judy 736		7.95
	Milliken Duplicating Books	Milliken N 17		3.25
	Milliken Duplicating Books	Milliken N 18		3.25
D-E Add D-E Sub E-F Mult E-F Div F - Mon	Cross Number Puzzle	SRA 3-3780	2	25.95**
	Student Record Book	SRA 3-3781	50	.45
	Monopoly	Hammett 82509		6.00
D - Frs	Classroom Fraction Kit	Ideal 754-C		8.00
Sci ST 5	Math Study Set	La Pine Z9687		110.00**
C-PV	Place Value - Expanded Notation (Flannel)	MB 216		3.50
F - Num	Reading Whole Numbers (Flannel)	MB 253		2.95
	Subtraction Flash Cards	Instructor 532	2	2.25

Stage III  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
E - Mult	Multiplication Flash Cards	Instructor 533	2	2.25
E - Div	Division Flash Cards	Instructor 534	2	2.25
Enrichment Grades 6 to 8	Exploring Mathematical Ideas	Ginn and Company	5	.96
	Teacher Ed	Ginn and Company		.96
	Enlarging Mathematical Ideas	Ginn and Company	5	.96
	Teacher Ed	Ginn and Company		.96
	Extending Mathematical Ideas	Ginn and Company	5	.96
	Teacher Ed	Ginn and Company		.96
	Arithmetic of Directed Numbers	Holt	5	1.20
	Equations and Inequalities	Holt	5	1.20

Stage III  
Instructional Materials  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Study Prints-Simple Machines	Ency. Brit. 5920		4.95
	Inquiry Box Set	SRA 3-9380		14.97**
	Science Program (AAAS and/or EIS)			1,000.00
Sci CL4b	Aquarium Kit	LaPine 20141		37.50
	Technik	Childcraft SM 395		8.95
Sci CL4a	Plant Growth (Flannel)	MB 260		2.50
Sci C066	U. S. Weather Map (Flannel)	MB 270		3.50
	Water Cycle (Flannel)	MB 272		2.95
	Animal Cage	CENCO 44053	2	6.70
	Science Carts	CENCO 19106	2	40.00
	Microscope	CENCO 60912-1	10	84.50
	Animal & Plant Slides	CENCO 55195		10.50
	Animal Slides	CENCO 55595		13.80
	Plant Slides	CENCO 55295		10.30
	Pkg. Plain Slides	CENCO 66310		1.15

Stage III  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 10				
SS 13.10	The NY Times Student Weekly	NY Times Book and Ed. Div.	30 issues min.	2.40/st/yr
SS 41	History Cards	Hammett 7520		2.00
SS 20	Geography Cards	Hammett 7521		2.00
SS 17	Americard - U. S. A.	ILC IL002		5.50 **
SS 68-69, SS 71-73	World Cultures Resource Unit: African Culture	Philadelphia Public Schools		2
SS 20.02	U. S. Flash Cards	CENCO 58197-002		1.00
SS 20.02, 44, 65.03	Outline Maps (U. S.) (Dittos)	MB 7360		4.25
SS 68	Unit on Mexico (Dittos)	MB 7372		3.75
SS 20.03, 37	Water in and Around U. S. (Dittos)	MB 7368		3.75
SS 21.02 21.04	Land Surface of U. S. (Dittos)	MB 7369		3.75
SS 33	Solar System Study Prints	EB 5940		4.95
SS 20.03	Inside World Map Puzzle	CP DA 355	2	4.50
SS 33	Solar System (Flannel)	MB 266		3.50
SS 35	Map Study Skills (Flannel)	MB 273		2.95

Stage III  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 20. 03 43, 68, 69, 71	Nations Around the Globe	Prentice Hall (PH)		
	Canada	PH 11300-1	10	1.20**
	Teacher's Edition	PH 11201-9		1.20
	Latin America	PH 52423-1	10	1.20
	Teacher's Edition	PH 52424-9		1.20
	Western Europe	PH 95152-5	10	1.20
	Teacher's Edition	PH 95153-3		1.20
	Soviet Union & Eastern Europe	PH 82375-7	10	1.20
	Teacher's Edition	PH 82376-5		1.20
	Eastern & Southern Asia	PH 22278-6	10	1.20
	Teacher's Edition	PH 22279-4		1.20
	Southwest Asia and North Africa	PH 82373-2	10	1.20
	Teacher's Edition	PH 82374-0		1.20
	Africa South of Sahara	PH 01836-6	10	1.20
	Teacher's Edition	PH 01837-4		1.20
	Pacific Lands & Antarctica	PH 64773-5	10	1.20
	Teacher's Edition	PH 64774-3		1.20
	Programmed Geography	MacMillan		**
SS 33	I-The Earth in Space	11875	5	3.21
	The Test Booklet I	11878	5	.45
SS 20. 03 34, 35	II-Continents and Oceans	11876	5	4.05
	The Test Booklet II	11879	5	.45
SS 22. 05 36	III-Latitudes and Climates	11877	5	3.57
	Test Booklet III	11880	5	.63
	Teacher's Manual	11881		2.46

Stage III  
Sectional Materials  
Musical Instruments

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
AH 12.05	Autoharp	CP DM364		42.50
	Autoharp case	CP DM369		9.95
	Instructions	CP DM291		3.25
AH 12.05	Sand Blocks	CP DM263	4	1.25
AH 12.05	Tom Tom	BC 246-041		3.90
	Pitch Pipe	MB 16S01		2.50
AH 12.05	Bell Blocks	Hammett RB-720-S		50.00
AH 12.05	Flutophone	BC 246-470	15	1.00
AH 12.05	Song Flute	BC 246-488	15	1.00
AH 12.05	Brass Cymbals	BC 246-297		3.50
AH 12.05	Cow Bell	BC 246-371		1.25
AH 12.05	Snare Drum	BC PC 246-124		13.00
AH 12.05	Claves	BC 246-157		1.50
AH 12.05	Bongo Drum	BC 246-165		7.00
AH 12.05	Solo Bells	BC 246-405		7.00
	Staff Marker	BC 150-391	2	.45
AH 12.05	Triangle	BC 246-322		1.00
AH 12.05	Rhythm Tambo	BC 246-256		4.00
AH 12.05	Gourds	CP DM 278	4	1.35



Stage III  
Instructional Materials  
Arts and Humanities

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
AH 3.00, 35.00	Exploring Art (Kainz & Riley)	Harcourt		3.75
AH 8.02	Musical Symbol Flash Cards	Kenworthy 2150		1.75
AH 8.02	Staff Paper	MB 6132	2	.95

Stage III  
Instructional Materials  
Miscellaneous

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Checkers	Hammett 4803		1.30
	Bean Bags (12)	BC 221-028		4.30
	India (Game)	MB 42	2	1.00
	Chess Set	Hammett 5620	2	6.00
	Go to the Head of the Class	Hammett 4175		3.00
	Concentration	Hammett 82566		4.00
	Flannel Board	Instructo FM 320	2	9.95
CS 4.13	Tuch-Rite Kit	Folkways	3	11.58**

Stage III  
Audio Visual Software  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Filmstrips</u>			
SS12, SS13				
J-Orig S	Finding Information	Rental - Alden Films		5.00
		Purchase - same		115.00
D-G-Lib S	An Introduction to the Library (4 filmstrips)	Schloat 601		57.00
	<u>Programs</u>			
	Imperial Intermediate Reading (30 students)	HL R456C		339.00
G-Lit C	Unit 1			
I-Eval C	Unit 2			
D-E Str A H-Voc D J-Int C	} Unit 3			
G-Str A H-Eval C	} Unit 4			
I-Str A H-I Int C	} Unit 5			
H-Str A I-Int C	} Unit 6			
J-Int C	Unit 7			
	Unit 8			

Stage III  
Audio Visual  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
<u>Filmstrips</u>				
Multi Level	Discovering with the Number	Ginn		88.00
Num, E-Com,	Line (10 filmstrips)			
Add, C-Sub,	Concepts of Modern Math(6)	UEVA - U320		54.00
D-Mult, D-Div				
C-PV	Using Modern Math	SVE Z 8460		44.50
E-Time				
D-F Add & Sub				
D-F Mult & Div				
E-Com,	Using Modern Math	SVE Z 8461		44.50
D-F Geom,				
F-Div,				
F-Mult, Sci-				
Num Sb, E-F-				
Frs				
<u>Tapes</u>				
Add, Sub, Mult, Div	Drilltapes (Math)	SRA 21-10000		525.00**
<u>Programs</u>				
D-E Mult, } D-E Div.	Mult. & Division	Grolier TM 204		10.00
D-Frs.	Fractions	Grolier TM 205		10.00
<u>Cassettes</u>				
C-E Add, C-E Sub, E-F Mult, E-F Frs, F-II Num, F-H Geom, E-G Com, E-F St	Intermediate Math Program	JIL IM 456		279.00**

Stage III  
Audio Visual Software  
Health

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Films</u>			
H7, H8	Exploring Your Growth	Rental - Alden		5.00
		Purchase - Same		115.00
H1	Read the Label and Live	Newenhouse		108.00
H9	The Drag	Rental - Cont. Films, Inc.		6.00
		Purchase - McGraw-Hill		100.00
H6	Communicable Diseases	Newenhouse		130.00
	<u>Filmstrips</u>			
H4, 5, 7	The Intermediate Way Health Set	SVE IN568 - 5		32.70
	IN568 - 1 (Diet)			
	IN568 - 2 (Colds)			
	IN568 - 3 (Dental)			
	IN568 - 4 (Neatness)			
H1, 2	The Intermediate Way Safety Set			
	Bicycle			
	Playground			
	Home			

Stage III  
Audio Visual Software  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Films</u>			
	Moving Things On Land	Rental - Alden		5.00
		Purchase - Same		115.00
	Pipes In The House	Rental - Alden		5.00
		Purchase - Same		115.00
SS25, 26	Times, Lines, and Events	Rental - Alden		9.00
		Purchase - Same		200.00
	<u>Single Concept Film Loops</u>			
Sci OB 15a	The Gerbil	Ealing 8106173/1		22.95
Sci OB 15a	The Pillbug	Ealing 8106223/1		22.95
	Reflection	Alden 653006		60.00
	Refraction	Alden 653036		60.00
	Sound	Alden 653030		60.00
Sci CO 5	How Plants Reproduce	Alden 401913		60.00
SS 33, SS22.13	What Makes Day and Night	Alden 400289		65.00
	How Animals Defend Them- selves	Alden 400266		60.00
	<u>Filmstrips</u>			
	Maintaining Biological Specimens (6)	EB 11590		36.00

Stage III  
Audio Visual Software  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Records</u>			
K-Lit. C, SS 16, SS 65.03, SS 48.04	Unit 1220 American History	Folkways/Scholastic 7402      2400 3850      5249 7566      7752 5280      5522		33.50
	<u>Super 8 Films</u>			
SS 1, 2, 3, 4, 5	NEA Unfinished Stories: What Will _____ Do? (10)	Doubleday & Co., Inc or Inter. Comm. Films		650.00
	<u>Filmstrips</u>			
SS 40	Our Public Utilities	EB 9100		36.00
SS 68.08, 71	Learning About Indians (5 filmstrips)	CENCO 59705-015		21.60
SS 40	Washington, D. C.	EB 6420		57.50
SS 21, 22, 23 36.03	Learning to Use Maps	EB 8520		36.00
SS 33	The Earth and Its Neighbors	EB 8410		36.00

Stage III  
Audio Visual Software  
Arts and Humanities

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Records</u>			
SS 72.05	American Indian Dances	Folkways 6510		5.79
	This Land is My Land	Folkways 7027		4.15
SS 72.05	Been in the Storm So Long	Folkways 3842		5.79
SS 72.05	Negro Folk Music	Folkways 4500		15.90
	Frontiers	Folkways 10003		5.79
AH 21.00	Song and Play Time	Folkways 7526		5.79
AH 9.00, 10.00	Adventures in Music	RCA 100-1000 Ginn & Co.		46.00
	<u>Single Concept Film Loops</u>			
	Mass Drawing with Crayon	Thorne Films (TF)		
	Clay Modeling with Mass	TF		
	Creating with Felt Tip Markers	TF		
AH 2.00	Learning About Water Color I	Chandler		
	Learning About Water Color II	Chandler		
	Drawing: Mass and Line	Scope Productions, Inc.		
	The Elements of Art I (Super 8)	Film Associates		
	This is Color (Super 8)	Film Associates		



Stage IV  
Instructional Materials  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
Multi Level	Supplementary Reading by Manolakes, Dordick, and Seian	Van Nostrand		146.61**
Multi Level	Wise Owl Books	Holt		39.75**
Multi Level	Reading Lab IIB	SRA 3-5150		64.95**
	Student Record Book	SRA 3-5172	25	.50
SS 16, J-K Ref S				
J-K Org S	{ Organizing and Reporting	SRA 3-4100		93.95**
	{ Pupil Booklet	SRA 3-4110	25	.54
K-Ref. S.	Dictionary Skill Charts	Hammett 276		9.50
K-Ref. S.	Dictionary Skill Worksheets	Hammett 2764		4.00
Multi Level	Dimensions 120	New Dimensions in Education, Inc.		96.75**

Stage IV  
Instructional Materials  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
F-Frs	Understanding Fractions	Nifty 9875		3.00
G-II Num	Number Base Counter	Nifty 9090		12.75
II-Geom	Cubic Foot Block	Nifty 9920		3.00
G-Frs, G-Com	Fraction-Decimal-Percent Board	Nifty 9870		7.50
	IPI Math	Appleton	200	12.00/ * student
G-II Num, E-Com, E-Mult E-Com	Elementary Math Charts	MB 7631		4.00
	Equations Game	SRA 3-13		30.00 **
F-Som	Meter-Yard Comparison Chart	MB 7629		3.00
II-Num	Arithmetic for Billy Goats by D. Barr	Harcourt		2.63 **

Stage IV  
Instructional Materials  
Health

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
HS	Plastic Skeleton Model	Wards S1W4520		30.00
HS	Mr. Bones	Ideal (BC) S1300	2	2.50
HS	Visible Human Body	BC S7000	2	4.50
HS	Physiology Drawings	BC 619	20	.40
HS	Human Torso Model	Hubbard (BC) HTB-2000		85.00

Stage IV  
Instructional Materials  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Microscope	Cenco 60912-1	10	81.50
Sci-MSc	Dial Spring Balance	Cenco 5610	2	2.75
	Dissecting Sets	Cenco 53004	2	2.95
Sci-Msb	Hook Weight Set	Cenco 9810		17.50
	Petri Culture Dishes (20)	Cenco 44373-1		1.55
	Transformer (6V)	Cenco 80305-1	2	17.50
	Single Pulley	Cenco 75615	2	3.75
	Double Pulley	Cenco 75644	2	1.75
	Polyhedral Alcohol Lamp	Cenco 11320	6	1.35
	Wicks (12)	Cenco 11321		1.90
	Wire Gauze	Cenco 19970-10		3.60
	Test Tube Supports	Cenco 19220	10	1.40
	Test Tube Clamp (12)	Cenco 12155-1		2.16
	Moon Exploration Chart	Denoyer MC-430		10.00
	Receptacle, Med. Screw Socket	Cenco 84155	3	1.15
	Incandescent Lamp (3)	Cenco 84435-1		2.55
	Forceps (Medium)	Cenco 53124	5	.55
	Science Program	EIS and/or AAAS		1000.00

Stage IV  
Instructional Materials  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Rectangular Support	Cenco 19071-2	3	2.50
	Iron Support Rings	Cenco 18005-1	2	1.00
	Iron Support Rings	Cenco 18005-2	2	1.10
	Iron Support Rings	Cenco 18005-3	2	1.20
	Buret Clamp	Cenco 12102	3	1.75
	Cylindrical Magnets	Cenco 78291-2	2 sets	2.70
	Lodestone (12)	Cenco 78250		4.50
F-Som	Meter Stick	Cenco 73115	2	1.20
F-G-Som	English-Metric Ruler (24)	Cenco 58485-002		3.00
	Litmus Blue ACS	LaPine 321-51	2	.15
	Litmus Red ACS	LaPine 321-51	2	.15
	Portable Work Center	{ N. J. PTC 100 Dept of Educ.		845.00+*
	Safety Goggles		40	.65

Stage IV  
Instructional Materials  
Science

<u>Obj</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	Chalk Compass	LaPine 28825	2	4.95
	Gummed Labels (12)	LaPine 2004		3.36
	Whiteboard Graph Chart	Denoyer-Geppert RWO-200-200		8.50

Stage IV  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>	
SS 20	Global Flash Cards	Hammett 9519	3	2.00	
SS 20	U. S. Flash Cards	Hammett 9002	3	1.00	
SS 23	Map Projection Model	Hammett MP-675		22.50	
I-Int C SS 14, SS 64 SS 66	The Propaganda Game	ILC WP003		5.50	
SS 3	Community Response Game (Disaster)	Simulmatics			**
SS 12, 19, 20	Eurocard	Nova University or ILC IL001		3.50	**
SS 52	Life Career	Simulmatics		25.00	**
SS 55, 56	Market	Abt Associates			**
SS 53	Consumer Game	Simulmatics		25.00	**
SS 58, 59, 60	Game of Democracy (Legislature)	National 4-H Center Bookstore		16.00	**
SS 20	Game of the States	Hammett 4920	2	3.00	
SS 63	Campaign	Hammett 82823		5.00	
SS 46.06	Meet the Presidents	Hammett 40		4.00	
SS 20.03	Play Your Way Around The World Game	Cenco 58480-103		3.00	
	Pirate & Traveler	Cenco 58480-145		2.00	
SS 20.03, SS 22	Outline Globe	Wards 80W8520		22.00	
SS 21, 34 68.10	Man's Domain	McGraw-Hill	5	2.75	
SS 73.07	We Are Black	SRA 3-5280		52.50	**

Stage IV  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 1, SS 2, SS 3, SS 7, SS 16.01, SS 28, SS 29, SS 30, SS 31 SS 32, SS 63	Social Science Laboratory	SRA		**
	Resource Book	SRA 3-6661	10	3.10
	Project Book Unit 1	SRA 3-6662	30	.52
	Project Book Unit 2	SRA 3-6663	30	.52
	Project Book Unit 3	SRA 3-6664	30	.52
	Project Book Unit 4	SRA 3-6665	30	.52
	Project Book Unit 5	SRA 3-6666	30	.52
	Project Book Unit 6	SRA 3-6667	30	.52
	Project Book Unit 7	SRA 3-6668	30	.52
	Record Set	SRA 3-6669		20.00
	Teacher's Guide	SRA 3-6675		3.75
SS 23	Map Projection Model	MB MP-675		22.50 **
	Planetarium	MB UP-100		29.95
	Rocket Engine Model	MB REM-1501		12.00
SS 35, SS 36.03	Geographical Terms	Denoyer S100X		19.75
SS 20.03 SS 34.03	Slated Outline World Map	Denoyer CS 9b-14		22.50
SS 21.08 SS 21.09	World Relief Map	Denoyer S70vr		23.00
SS 20.02	Slated Outline U. S. Map	Denoyer CS1b-13		22.50
SS 20.05 I-Lib, S	Elementary School Atlas	Denoyer H91a	5	.75
SS 20.05 SS 21.06- 21.11 I-Lib S	Odyssey World Atlas	Denoyer H141	2	14.98



Stage IV  
Instructional Materials  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 46.03 60.09 61	Our Constitution & What It Means	Webster/McGraw (WM)		
	Pupil's Edition	WM	25	.96
	Tests	WM	1 pack	1.74
	Filmstrips	WM	1 set	31.50

Stage IV  
Instructional Materials  
Arts and Humanities

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
AH 3.00, 4.06	Marc Chagall (Raboff)	Doubleday LC	AC 66-10499	6.95
AH 3.00, 4.06	Pablo Picasso (Raboff)	Doubleday LC	AC 68-26551	3.95
AH 3.00, 4.06	Paul Klee (Raboff)	Doubleday LC	AC 68-26550	3.95
AH 2.15, 4.06	Going for a Walk with a Line (MacAgy)	Doubleday LC	AC 59-5899	3.95
AH 3.00, 4.06	Great Adventure of Michelangelo	Doubleday LC	AC 65-10617	4.95
AH 31.04, 35.00	What It Feels Like to be a Building	Doubleday LC	AC 69-11008	3.50

Stage IV  
Audiovisual Software  
Reading

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>FILMSTRIPS</u>			
	<u>Constructing Reports</u>	EB 7620		36.00
I-Lib S	Digging For Facts	EB		
I-Ref S SS12, SS 13	Selecting the Theme	EB		
J-Org S	Building Reports	EB		
CS 1.27	Pointing with Words	EB		
J-K Ref S SS 15, SS 16	Finishing Reports	EB		
	Using Reports	EB		

Stage IV  
Audiovisual Software  
Math

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Filmstrips</u>			
F-ST	Ratios and Proportion	EB 50201		2.75
D-Add D D-Sub, E-Mult E-Div	{ Arithmetic of the Whole Numbers	EB 50234		8.50
	{ Teacher's Guide	EB 50236		

Stage IV  
Audiovisual Software  
Health

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Films</u>			
H9	How To Stop Smoking	Ritz E2-400		216.00
H7	Weighing What you Want to Weigh	Ritz E2-401		159.00
	<u>Single Concept Film Loops</u>			
H11	Mouth-To-Mouth	Ritz B4-200		22.00
	Mouth-To-Nose	Ritz B4-201		22.00
	External Cardiac Massage	Ritz B4-202		22.00
	<u>Filmstrips</u>			
H4, H8	Understanding Your Body I	EB 11260		48.00
H4, H8	Understanding Your Body II	EB 11580		42.00
H8	Systems of the Human Body (6)	Educational Activities, Inc. 76-6180		49.00

Stage IV  
Audio Visual Software  
Science

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Single Concept Film Loops</u>			
	Carnivorous Plants	Ealing 81-9706/1		22.95
	Alluvial Fan & Delta	Ealing 85-0040/1		22.95
	Vulcanism Activity	Ealing 85-0156/1		22.95
	<u>Tapes</u>			
	Magnetism	IIL SG 602		49.00
	Electricity	IIL SG 603		49.00
	Heat	IIL SG 604		49.00
	Light	IIL SG 605		49.00
	Sound	IIL SG 606		49.00

Stage IV  
Audiovisual Software  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Tapes</u>			
SS 44, 55, 03, 68, 71, 72, 05, 73	Multi Media Mexico	HL PNA 612M		54.00
	Famous Explorers	HL HG 620		16.25
	<u>Cassettes</u>			
SS 45, 46, 57, 58, 60, 64, 65	Democracy in Action	UEVA ME200		67.50
	<u>Filmstrips &amp; Cassettes</u>			
SS 44, SS 45, 68, 08, 71, 05	America's Progress Age of Exploration	UEVA ME 100 UEVA ME 1001	1 set	225.00
	The American Indian	UEVA ME 1002		
SS 45, 46	The American Colonies	UEVA ME 1003		
SS 45, 46	Salem: Colonial Commerce	UEVA ME 1004		
SS 45, 46 67.07	Years of Revolution	UEVA ME 1005		
SS 45, 46	Under a New Gov't	UEVA ME 1006		
AH 36	Mount Vernon	UEVA ME 1007		
AH 36	Monticello	UEVA ME 1008		
SS 40	Our National Capitals	UEVA ME 1009		
SS 40, 56, 06	New York: Growth of Activity	UEVA ME 1010		
SS 55	Riverboats	UEVA ME 1011		
SS 55, 33, 02	America Sails the Seas	UEVA ME 1012		
AH 36	Hermitage	UEVA ME 1013		

Stage IV  
Audiovisual Software  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 47.04	Travels in No. America 1833	UEVA ME 1014		
SS 47.03	The Buffalo & Westward Expansion	UEVA ME 1015		
SS 39.02, 40.01, 47.04, 73	Trails, Roads, & Railroads	UEVA ME 1016		
SS 47.03, 37.03	Golden Gate to the West	UEVA ME 1017		
SS 37, 48.01	When Cotton Was King	UEVA ME 1018		
SS 48.07	Lincoln: The Illinois Years	UEVA ME 1019		
SS 48	A Country Divided	UEVA ME 1020		
SS 73	A Country Store	UEVA ME 1021		
SS 73	Currier & Ives America	UEVA ME 1022		
SS 39.02, 47	The Last Frontier	UEVA ME 1023		
SS 54, 55.05	Land of the Free	UEVA ME 1024		
SS 55, 73, 40	Industry Changes America	UEVA ME 1025		
	Education in America	UEVA ME 1026		
SS 49	The US in the Pacific	UEVA ME 1027		
SS 55.06, 73.03	The Airplane Changes America	UEVA ME 1028		
	The Statue of Liberty	UEVA ME 1029		
	Symbols of America	UEVA ME 1030		
	<u>History of Black America</u>	UEVA U 300	1 set	68.00
SS 68.08	The African Past	UEVA U 3001		
SS 48.03	Slavery and Freedom in English Colonies	UEVA U 3002		



Stage IV  
Audiovisual Software  
Social Studies

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
SS 48	The Plantation South	UEVA U3003		
	Firebrands and Freedom Fighters	UEVA U3004		
	From Freedom to Disappointment	UEVA U3005		
SS 48, 04	New Leadership and the Turning Tide	UEVA U3006		
	Progress, Depression, Global War	UEVA U3007		
SS 49, 71. 05	Hope, Disillusionment, Sacrifice	UEVA U3008		
	<u>Life in Other Times</u>	UEVA ME 40		45.00
SS 41	Ancient Egypt	UEVA ME 400		
SS 41	Ancient Greece	UEVA ME 401		
SS 40, 03, 41	Ancient Rome	UEVA ME 402		
SS 41	Middle Ages	UEVA ME 403		
SS 40, 03	Greece-Cradle of Culture	UEVA ME 404		
SS 59, 68	Communist Bloc	UEVA ME 4508		86.00
	<u>Records</u>			
SS 7, SS 72. 05				
AH 10. 01	World's Peoples	Folkways 1222		37.65
	<u>Filmstrips</u>			
SS 49	The U. S. A World Leader	EB 11630		30.00
SS 72. 05	Famous American Stories	EB 8370		36.00
	<u>Slides</u>			
SS 45, 49	American History 400	Harcourt		450.00++
	<u>Transparencies</u>			
SS 42	America at War and Foreign Relations	DEMCO 78-0305		55.00

Stage IV  
Audio Visual Software  
Arts & Humanities

<u>Obj.</u>	<u>Item</u>	<u>Distributor</u>	<u>No.</u>	<u>Unit Cost</u>
	<u>Single Concept Film Loops</u>			
AH 2.00	Collage	Hester & Assoc.		
AH 2.00	Making a Mobile	Hester		
AH 2.00	Finger Painting	Hester		
AH 24.00	Choreography - Chair 1	Scope Productions, Inc.		
AH 24.00	Contrasting Movement	Scope		
AH 24.00	Analogous Movement	Scope		
AH 2.00 } 4.05 }	Process of Abstraction	Hester & Assoc.		
AH 2.00	Water Color (Series of 8)	Hester		
	<u>Slides</u>			
AH 3.00, 35.00	Text & Color Slide Sets	Universal Color Slide Co. (UCS)		
	Prehistoric Art	UCS 77-0090		39.50
	Roman Art & Architecture	UCS 77-0093		29.50
	Baroque & Rococo Art	UCS 77-0094		32.50
	English Painting	UCS 77-0095		33.50
	Modern Painting	UCS 77-0096		33.50
	Chagall-Matisse-Van Gogh- Seurat	UCS 77-0097		31.50
	Picasso-Klee	UCS 77-0098		31.50
	<u>Records</u>			
AH 7.01, SS 72.05	The Story of Jazz	Folkways 7312		4.15

Stages II, III, IV  
Minimum Standard  
Indoor/Outdoor Apparatus and Sports Equipment

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Balls	Basket	2
	Footballs	2
	Indoor, Large	2
	Latex, 18" and 24"	2
	Rubber, 7" and 8"	12
	Soccer	3
	Softballs	6
	Volley	2
Baskets and back stops		2
Bean bags		6
Bean bag toss board		
Climbing structure		
Deck tennis rings		6
Glasses' guards		
Hoops		8
Horizontal bars and ladder		1 set
Indian clubs		12
Jackstraws (Parker Bros.)		2
Jumping ropes	Individual	8
	Group	4
Monkey rings		1 set
Parallel bars		1 set
Pump and plus		1 set
Ring toss		1 set
Softball bats		
Shuffleboard		4

Stages II, III, IV  
Minimum Standard  
Indoor/Outdoor Apparatus and Sports Equipment

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Table tennis set		
Tether poles and balls		4
Traveling rings		1 set
Tumbling mats	4' x 6'	4
Turning bar		
Volleyball nets		2
Wagon		
Walking beam		

Stage III & IV  
Minimum Standard  
Art and Craft Supplies

<u>Item*</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Brushes	Round wash, large, #7 or # 11	1 1/2 doz.
Brushes	Flat, 1/2", 3/4" or 1"	1 1/2 doz.
Charcoal and fixative		2 boxes
Colored chalk		1 doz. boxes
Containers	For paint, pt. or 1/2 pt. plastic or metal with covers (Creative Playthings DA 426)	25
Crayons	Hardpressed, various colors 16 in a box	3 doz. boxes
Drawing boards	20" x 26", preferably of wood (substitute wall board)	15
Easels	Double, with trays for paint	4
Glazes	Assorted	
Glue containers	3 oz.	5
Mat boards	Gray or white, 22" x 28", for mounting	36
Oilcloth	Or builders plastic	4 yds.
Pails	Galvanized or plastic covers for clay	3
Paint	Liquid (14 qts.) Red, yellow, blue, black, magenta turquoise white	2 qt. ea. 1 qt. 3 qts.
Paint	Powdered, colors as above	14 lbs.
Paints	Water color, and refills	3 doz. boxes

\*A & H Objective 2.00 applies to the use of almost all art items listed here.

Stage III & IV  
Minimum Standard  
Art and Craft Supplies

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Paint	Finger, 12 jars Red, yellow, green, blue, brown, black	8 oz. ca.
Par.	Flat, 12" x 18"	
Pottery clay		150 lbs.

Stage III & IV  
Minimum Standard  
Art and Craft Supplies  
Paper

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Bonus paper	18" x 24" 22" x 28"	2 reams 2 reams
Coated paper	36" x 10 yd, asst'd. colors	3 rolls
Construction paper	Colored, 12" x 18" 18" x 24"	3 ream 1 ream
Corrugated paper	4' x 25", assorted colors	1 roll
Crepe paper	Flameproof, 20" x 7 1/2', assorted colors	6 pkgs.
Drawing paper	White, 12" x 18"	2 reams
Finger paint paper		2 reams
Manila paper	18" x 24" 12" x 18"	2 reams 5 reams
Newspaper	Unprinted, 12" x 18" 18" x 24"	2 reams 2 reams
Paste		2 qts.
Plaster	Patching or plaster of Paris	6 lbs.
Scissors		30
Spatter guns		2
Trays	For paint jars	4
Velour paper	20" x 27", assorted colors	24 sheets
White paper for murals	36" wide	1 roll

Stage III & IV  
Minimum Standard  
Art and Craft Supplies  
Woodworking

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
File card for cleaning files		
Files		5
Glue containers	8 oz.	3
Hand drill		
Jigsaw		
Pliers		5
Plywood		5 sq. yds.
Sandpaper	#1, #0,	2 pkgs.
Screwdrivers		5
Screws		2 lbs.
Shellac	White	1 gal.
Shoe rasps		5
T-square		
Wire nails	Large head, 1", 1 1/2", 2" finishing 1 1/2"	2 lbs.



Stage III & IV  
Minimum Standard  
Art and Craft Supplies  
Woodworking

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Braces and bits		2
Counter sink bit	,	
Dowel bits	#'s 4, 5, 6, 7, 8, 9, 10, 16	1 ea.

# Stage III & IV

## Minimum Standard Art and Craft Supplies Sewing, Knitting and Weaving

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
<u>Sewing and Weaving</u>		
Burlap	Colored assorted	
Carpet warp		20 balls
Felt	6" x 6", many colors	
Looms		6
Needles	Crewel Weaving	5 pkgs. 5 pkgs.
Sewing machine		
Yarn	Various colors	6 skeins
<u>Dyeing</u>		
Cold water dyes	Various Colors	1 lb. ea.
Dishpans		4
Jars		4 qt.
Rubber gloves		2 pr.
Spoons		6 large
String for dye tie		2 balls
Wax for batik		1 lb.
<u>Block Printing</u>		
Brayer rollers		5
Film		
Frames		2
Linoleum		1 yd.
Linoleum tools		6 sets
Press		1

Stage III & IV  
Minimum Standard  
Art and Craft Supplies  
Sewing, Knitting and Weaving

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Printing inks	5 Colors	1 set
Silk screen paints		1 set
Silk or organdy printing screens		6
Slab	Glass or marble	
Squeegees		2
<u>Stenciling</u>		
Brushes		6
Paper		15 sheets
Textile colors for cloth		1 box

For Use In  
Stages I, II, III, and IV  
Minimum Standard  
Stationery

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Bulldog clips		12 boxes
Cellophane tape	Large rolls	2
Cellophane tape dispenser		2
Chalk	Dustless	3 boxes
Charts	Manuscript and penmanship	1 ea.
Carbon paper		1 box
Chalk	Yellow, dustless	2 boxes
Chalkboard erasers		8 doz.
Chart paper	Large-ruled, for teaching reading	
Desk compasses		
Pencil		36
Dymo tape gun	Model 1085 M-24; uses both 1/2" and 3/4" tape (\$29.95)	1 each stage
Dymo tape gun	1700 home labelmaker; Uses 3/8" tape (\$4.95)	1 each stage
Rolls of extra Dymo tape	Available from the John Hughes Co. 5600 Second Street, N. E. Washington, D. C. 526-1981	
Erasers	Chalkboard, pencil, and ink	1 doz. ea.
E-Z-Up clips	(Made by Lectro-Stick, Chicago)	3 boxes
Eyelet punches and eyelets		2

For Use In  
Stages I, II, III, and IV  
Minimum Standard  
Stationery

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Fasteners	100 to box; 1"; 3/4"	2 boxes of each
Gummed labels		2 boxes
Ink	India (writing)	
Highlight pens		6
Lettering pens		
Markers	Felt tip, colored	1 set
Masking tape	Large rolls	6
Master copy paper	For duplicators	1 box
Mat knives		2
Mending tape	Adhesive type	1 box
Paper	Ruled, some for ink	10 reams
Paper	Unruled	5 reams
Paper clips		5 boxes
Papercutter	Small 12" to use when larger is not available	1
Pencil erasers		3 doz.
Pencils	Beginners to be used in grades 1 and 2	1 gross
Pencils		3 doz.
Pencil sharpeners		5
Pens	Felt tip, with ink	3
Pens		2 boxes
Pens	Straight and safety	2 boxes
		2

For Use In  
Stages I, II, III, and IV  
Minimum Standard  
Stationery

<u>Item</u>	<u>Specifications</u>	<u>No. Per 25 Students</u>
Punches		3
Reinforcements		3 boxes
Rubber bands		2 boxes
Scotch tape	Large	3 rolls
Stamp pad	Ink	2
Stapler & staples		2-3
String		2 balls
Suspension rings		2 balls
Tagboard	White	
Tape	Transparent	6 rolls
Tape dispenser		1
Thumbtacks		8 boxes
Typing paper		1 ream
Writing paper	9" x 12" with 1" rulings; 9" x 12" without rulings; 8" x 10 1/2" with 1/2" rulings, 8" x 10 1/2" with 3/8" rulings	

Recommended for Additional Purchase

Instructional Materials - Science

<u>Item</u>	<u>Specifications</u>
Alcohol	
Batteries	Extra
Battery recharger	
Binoculars	
Bioscope	
Chemicals	Commonly used
Cover slips	1 box
Hot plates	
Jackknife	
Planetarium Equipment	
Preserving fluid	
Telescope	
Weather glass	

Recommended for Additional Purchase

<u>Item</u>	<u>Miscellaneous -- Woodworking</u> <u>Specifications</u>
Bin	Filled with smooth grain wood, soft mill ends, scrap materials such as boxes, crates, boards, scraps of beaver board, all if smooth
Carpenters benches	Extra, with vises or sturdy wooden tables
Dowel rods	Assorted sizes
Nails	6 Lbs.
Sand paper	

Musical Instruments

Ukelele  
Harmonica

Indoor/Outdoor Equipment

Cargo net	U. S. Gov't. Surplus
<u>Garden Equipment</u>	
Hoes	Childsize (6)
Rakes	Childsize (6)
Seeds and bulbs	Childsize (3)
Shovels	Childsize (3)
Spade	Childsize (2)
Trowels	
Watering cans	(2)
Helm's wheel	
Hose	20'
Slide	
Swings	With canvas seats (3)
Turning bar	Low, 10' long



Recommended for Additional Purchase

<u>Item</u>	<u>Arts and Crafts</u> <u>Specifications</u>
Kiln	Electric
Duplicator	
Printing press	

Recommended for Additional Purchase

Miscellaneous — Games

<u>Item</u>	<u>Specifications</u>
Anagrams	
Authors	2 sets
Carrom board	
Chinese Checkers	
Link Letters	
Old Maid	
Playing cards	

Miscellaneous — Homemaking

Brooms	Childsize (2)
Kitchen utensils	
Miniature shopping cart	
Portable ladders	Adult and child sized
Rocker	Adult size (1)
Stepladder	With safety catch, 5'
Racks	Draining
Rocking chair	Adult size
Wastebaskets	
Electric iron	

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Instructional Materials  
Science

<u>Item</u>	<u>Specifications</u>
Bird feeding shelf and suet	
Board	Mounted with keys and locks
Jars	With lids (for insect cages)
Mirrors and reflectors	e.g., fruit can lids
Samples	Of plants, seeds, shells, rocks, cones, bulbs, bark, nests, cocoons

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Instructional Materials  
Various Subjects

<u>Item</u>	<u>Specifications</u>
Cloth bags with drawstrings	
Felt	Extra pieces for flannel boards
Magazines	Life, Ebony, McCalls, and other women's magazines, Arizona Highways, Holiday, Look, and National Geographic
Maps	Old city, street, and roadmaps of D. C. and other places
Newspapers	Old copies showing historic events
Pictures	Subjects such as: animals, birds, children, families or adults in typical activities, community locations (post office, bakery, grocery, cleaners, police and fire departments), Mother Goose and other nursery rhymes, story illustrations, seasonal and special days, transportation (airport, heliport, harbor, trucks, trains, airplanes, boats, cars), etc.
Telephone books	Especially of other cities

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources  
Miscellaneous  
Woodworking

<u>Item</u>	<u>Specifications</u>
Carpenters benches	Extra
Hammers	2 or 3 rubber tipped (U. S. Gov't. Surplus)
Wheels	To make cars using boxes
Wood scraps	And soft mill ends

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Miscellaneous  
Homemaking

<u>Item</u>	<u>Specifications</u>
Bedding and mattresses	For doll beds
Blankets	For dolls
Chest	For dress up clothes
Dish pans	Play
Doll clothes	
Dress up clothes	
Last cloths	
Feet	
Flower boxes	
Hats	Men's and women's
Kitchen utensils	Bottle opener, potato peeler, cheese slicer, apple corer, can opener, egg beater
Paper plates	
Rugs	Rag type for resting
Scarves	
Suitcase	Toy
Telephone	U. S. Gov't. Surplus
Vases or bowls	For flowers
Water can	Plastic with long spout
Yard goods	

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Indoor/Outdoor Equipment

<u>Item</u>	<u>Specifications</u>
Bean bags	
Bubble solution	
Field packs	One or two obsolete U. S. Gov't. Surplus
Hose	Short pieces
Kegs	Two or three rolling, painted
Push-and-pull toys	
Rocking horses	One or two, spring action
Sand toys	Shovels, plastic containers, etc.
Sewer pipe	For tunnels
Stick horses	Several
Wooden boxes	Packing boxes; as support for balance and walking boards; could also use tires, cement blocks or low saw horses as supports

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Arts and Crafts  
Scrap and Inexpensive Materials\*  
All Stages

Many materials with exciting possibilities can be found that are not commonly thought of as art supplies. The listing here may bring to mind some of them which may have creative potentialities. They can be obtained easily. Look for them in the junkyard, basement, attic, garage, school shop, machine shop, radio shop, anywhere. Ask children to bring scrap materials from home and keep these in a number of special boxes in the storage closet. There are hundreds of ways of using these scraps and the usage should result in stimulation of the imagination. The teacher should remember that this listing is in no way a substitute for good art supplies but does extend the possibilities of such supplies.

<u>Item</u>	<u>Specifications</u>
Adhesive tape	
Aluminum pie plates	
Aluminum TV trays	
Balloons	
Balls	
Bark	
Beads	
Beans (dried)	
Bamboo reed	
Bottles	
Bottle caps	
Buttons	
Candles	
Candybox fillers	
Cans	
Cardboard	
Cartons	
Cellophane	
Cloth scraps and remnants	
Clothes pins	
Clothes wringer	
Coat hangers	
Cookie tins	
Copper wire	
Corks	
Corn husks	
Corrugated board	
Cotton swabs	
Crayons, extra	

\* This list is taken from the Colorado Art Guide, K-12, Colorado Department of Education, Denver, Colorado, 1961.



Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Arts and Crafts  
Scrap and Inexpensive Materials

<u>Item</u>	<u>Specifications</u>
Driftwood	
Drinking straws	
Dominoes	
Egg cartons	
Egg shells	
Embroidery thread	
Excelsior	
Feathers	
Felt	
Filters	
Flowers (dried)	
Foil paper	
Fur	
Game pieces	
Glass	
Gourds	
Grasses	
Hairpins	
Hats	
Inner tubes	
Insulating brick	
Jars	
Jewelry	
Leather scraps	
Light bulbs	
Linoleum scraps	
Macaroni	
Mailing tubes	
Match books	
Match sticks	
Medical swabs	
Milk cartons	

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Arts and Crafts  
Scrap and Inexpensive Materials

<u>Item</u>	<u>Specifications</u>
Socks	
Soda straws	
Spools	
Springs	
Starch	
Stamps	
Sticks	
String	
Sucker sticks	
Tacks	
Tile pieces	
Tin foil	
Tinker toys	
Tissue paper	
Tongue depressors	
Toothpicks	
Toothbrushes	
Tree bark	
Vegetables	
Wallboard	
Wallpaper cleaner	
Wallpaper samples	
Wire	
Wire mesh	
Wire staples	
Wool	
X-Ray negatives	
Yarn	

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Arts and Crafts  
Scrap and Inexpensive Materials

<u>Item</u>	<u>Specifications</u>
Nail kegs	
Nuts and nut shells	
Notebook spirals	
Nylon hosiery	
Oil cloth -	
Old gloves	
Paper clips	
Paper cups	
Paper doilies	
Paper plates	
Paper sacks	
Paper napkins	
Paper towels	
Peanuts	
Pebbles	
Pine cones	
Pipe cleaners	
Plastic	
Pods	
Raffia	
Reflectors	
Ribbon	
Ribbon spools	
Rick-rack	
Rings	
Rope	
Salt	
Sand	
Sawdust	
Screws	
Sea shell	
Seeds	
Seed pods	
Sequins	
Shells	
Shoes	
Shoe Laces	

Supplies Available From  
Parents, Students, Teachers,  
and Other Sources

Arts and Crafts  
(additional)

<u>Item</u>	<u>Specifications</u>
Baby food jars	For paint
Bleach bottles	Plastic
Clothes pins	Two dozen wooden spring type
Coffee cans	For art storage
Egg cartons	
Flour, alum, salt, vinegar, oil	For dough
Food coloring	
Juice cans	One per student or more
Newspaper	For art
Salt, glycerine, talcum	For fingerpaint
Shelf paper	For finger painting
Soap flakes	Two boxes for finger paints and to dilute tempera
Starch	1 quart liquid
Styrofoam	
Wheat paste powder	For finger paint and papier mache
Paper sacks	Large for art projects
Plumbing pipe and joiners	
Printing objects	Cookie cutters, potato mashers, linoleum blocks, etc.

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Box 34485  
Los Angeles, Calif. 90034

RITZ AUDIO-VISUAL  
Division of Ritz Camera  
Baltimore, Md. - Washington, D.C.

(SM) SCHOLASTIC MAGAZINES  
Scholastic Book Services  
902 Sylvan Ave.  
Englewood Cliffs, N.J. 07632

(SCHLOAT) WARREN SCHLOAT PRODUCTIONS, INC.  
115 Tompkins Ave.  
Pleasantville, N.Y. 10507

(SRA) SCIENCE RESEARCH ASSOCIATES, INC.  
259 East Erie St.  
Chicago, Ill. 60611

SCOPE PRODUCTIONS INC.  
Educational Division  
1461 West Shaw Ave.  
Fresno, Calif. 93705

SCOTT-FORESMAN and COMPANY  
99 Bauer Drive  
Oakland, N.J. 07436

SIFO CO.  
Suite 540  
200 5th Ave. Bldg.  
New York, N.Y. 10010

SILVER BURDETT CO.  
Columbia Rd. and Park Ave.  
Morristown, N.J. 07960

SMULMATICS

(see Western Publishing Co.)

(SVE) SOCIETY FOR VISUAL EDUCATION, INC.

1345 Diversey Parkway

Chicago, Ill. 60614

(SRA) (see Science Research Associates)

TEACHERS PUBLISHING CORP.

23 Leroy Ave.

Darien, Conn. 06820

TEACHING RESOURCES

100 Boylston St.

Boston, Mass. 02116

THORNE FILMS, INC.

1229 University Ave.

Boulder, Colo. 80302

UNIVERSAL COLOR SLIDE CO.

(see Demco)

(UEVA) UNIVERSAL EDUCATION & VISUAL ARTS

221 Park Ave., S.

New York, N. Y. 10003

UNIVERSITY OF ILLINOIS

Visual Aids Service

Division of University Extension

704 South Sixth St.

Champaign, Ill. 61820

VAN NOSTRAND

(see American Book Co.)

WARDS NATURAL SCIENCE

Establishment, Inc.

P. O. Box 1812

3000 East Ridge Rd.

Rochester, N. Y. 14603

WEBSTER DIVISION/MCGRAW HILL BOOK CO.

Princeton Rd.

Hightstown, N. J. 08520

WESTERN PUBLISHING CO.  
(Current Distributor of Simulmatics)  
850 Third Ave.  
New York, N. Y. 10022

WIFF 'n PROOF  
(see ILC)



\*AV EQUIPMENT MANUFACTURERS

AUDION CORP.  
400 W. Liberty St.  
Ann Arbor, Mich. 48108

AUDIOTRONICS CORP.  
P. O. Box 151  
North Hollywood, Calif. 91603

BELL and HOWELL  
AV Div.  
7100 McCormick Rd.  
Chicago, Ill. 60645

(BESELER) CHARLES BESELER COMPANY  
219 S. 18th St.  
East Orange, N. J. 07018

DUKANE CORP.  
103 N. 11th St.  
St. Charles, Ill. 60174

EASTMAN KODAK CO.  
343 State St.  
Rochester, N. Y. 14650

EDUCATIONAL PROJECTIONS  
527 S. Commerce St.  
Jackson, Miss. 39202

ELECTRONIC FUTURES INC.  
57 Dodge Ave.  
North Haven, Conn. 06473 (1967 address)

EHRENREICH PHOTO OPTICAL  
623 Stewart Ave.  
Garden City, L. I., N. Y. 11533

GAF AUDIO/VISUAL  
140 W. 51st St.  
New York, N. Y. 10020

\*Most of these addresses (except where noted) are from Audio-Visual Equipment Directory, 1969 Edition published by National Audio-Visual Association, Fairfax, Va. The catalog gives detailed information describing most equipment recommended for Fort Lincoln. Xeroxed descriptions of most equipment are also included in this report.

GRAFLEX, INC.  
3750 Monroe Ave.  
Rochester, N. Y. 14603

GROVER EDUCATION CORP.  
845 Third Ave.  
New York, N. Y. 10022

HUDSON PHOTOGRAPHIC INDUSTRIES, INC.  
S. Buckhout & Station Rds.  
Irvington-on-Hudson, N. Y. 10533

(KNOWLEDGE AID) Distributed by John Colburn Associates, Inc  
1215 Washington Ave.  
P. O. Box 236  
Wilmette, Illinois 60091

NEWCOMB AUDIO PRODUCTS CO.  
12881 Bradley Ave.  
Sylmar, Calif. 91342

(NORELCO) NORTH AMERICAN PHILIPS CO, INC.  
100 E. 42nd St.  
New York, N. Y. (1967 address)

PROJECTION OPTICS CO., INC.  
271 11th Ave.  
East Orange, N. J. 07018

(RCA) RADIO CORPORATION OF AMERICA, INC.  
Front & Cooper Sts.  
Bldg 15-5  
Camden, N. J. 08102 (1967 address)

RHEEM CALIFONE  
5922 Boweroft Ave.  
Los Angeles, Calif 90016

STANDARD PROJECTOR & EQUIPMENT CO.  
733 N. Harlem Ave.  
Chicago, Ill. 60648 (1967 address)

TECHNICOLOR CORPORATION  
P. O. Box 517  
Costa Mesa, Calif. 92627 (1967 address)

VIEWMASTER

Available Woodward & Lothrop and other local outlets

VIEWLEX, INC.

Broadway Ave.

Holbrook, L.I., N.Y. 11741

WOLLENSAK/3M COMPANY

2501 Hudson Rd.

St. Paul, Minn. 55118 (1967 address)

TESTING

## FORT LINCOLN TESTING PROGRAM

A wide variety of tests and testing procedures will be used at Fort Lincoln for a variety of purposes. Testing must be recognized as a useful learning experience that need not be threatening if used to assess needs and not to rate students. These tests detailed below may be described as diagnostic, assessment, placement or recreational (i.e. just for fun).

- Diagnostic tests are those tests administered in order to identify the cause of a specific problem. When teachers become aware of a learning difficulty they will want to investigate fully the nature of that difficulty through diagnostic measures. These tests also may be used at the beginning of the year for new students or for students whose records are missing or incomplete. Diagnostic tests may be used when a student and his teacher are reworking a long-term prescription which is no longer adequate nor realistic (see Midterm Report, Vol. I, Section 1.6.2).
- Assessment tests are those tests where items are keyed directly to corresponding objectives. The purpose of assessment testing is to monitor progress on specific objectives or to test for mastery of a specific objective. Assessment tests may be administered formally using various means. The sections that follow offer models using teacher made criterion test items and adapting standardized test items. Also listed in figure 1 are those programs recommended for use at Fort Lincoln which include assessment tests as part of the program. Assessment tests may be administered informally through observation,

self-evaluation, or group evaluation using discussions, and questioning while observing and recording feedback from students. Informal assessment is frequent in Stage I.

- Placement tests are used to determine if a student has mastered the skills prerequisite to entry into a sequence of instruction. Some programs recommended for use at Fort Lincoln contain placement tests or procedures (see fig. 1). These instruments may also be used for determining readiness for an experience. (e.g. Metropolitan Readiness Test).
- Recreational tests are those tests which students take for fun (e.g. to see if they have a skill or to acquire proficiency in test taking). The philosophy of Fort Lincoln assumes that test taking is a learning situation which will not be treated by students or teachers as a measurement of ability. Tests which are not keyed to objectives or are not suitable for the testing program will be used for this purpose. Rules governing the use of some Standardized tests prohibit use of individual items but the tests can be used as models from which teachers or students will develop similar tests (see model). All types of tests including achievement, intelligence, and diagnostic tests provide useable items. Teachers may wish to eliminate choice from some multiple-choice tests to make these practice situations more challenging.

Testing will occur frequently at Fort Lincoln, but it is a less formal and more routine part of the weekly program. Most paper and pencil tests will be short and like a quiz in nature requiring a few minutes of the student's time. A majority of tests are

pre or post tests administered at the beginning or end of a unit so that students will avoid "relearning" something they already know and will have immediate feedback concerning their own progress.

What follows here are either tests recommended for purchase at Port Lincoln or models for development of teacher made tests. A description of a device suggested for scoring tests will be found at the end of this section.

Subject	Instrument*	Stage	Purpose and/or Use at Fort Lincoln	Other Applications in Fort Lincoln	Status	Remarks
Discovery	Basic Learning Skills Checklist	I-II	Assessment	—	Out of 35 skills - 1 & 26 complete 2 - 7 typed, minimum skills not identified	See Figure J Midterm Report Vol. I Appendix
	Vocabulary Checklist	I-II	Assessment	—	—	" Figure K
	Frostig Perceptual Development	I-II	Diagnosis	Assessment of Related Discovery Objectives	—	—
	Perception Labs (CP)	I	Diagnosis	Assessment of Related Discovery Objectives	Items must be keyed to objectives	See model
	Liston, Mark, and Say Self Tests	I-II	Assessment	—	—	—
	LRDC Tests	I	Assessment	—	Items must be keyed to objectives	See model
	Michigan Language Program	II	Placement/Assessment	—	—	—
	SRA Reading Labs	II-IV	Assessment	—	Units must be keyed to objectives	—
	Imperial Reading Programs	II-IV	Assessment	—	Units must be keyed to objectives	—
	CRA Phonics Survey	II-III	Diagnosis/Placement	Assessment of related reading and communications skills objectives	Items must be keyed to objectives	See model
Reading	Additional Teacher-Made Criterion Test	II-IV	Assessment	—	Items must be developed	See model
	-Tests already on Equipment List			Figure-I		



# Purpose and/or Use at

Subject	Instrument	Stage	Port Lincoln	Other Applications in Fort Lincoln	Status	Remarks
Communi- cation Skills	Michigan Language Program	II	Placement/ Assessment	—	—	—
	Additional Teacher-Made Criterion Test	II-IV	Assessment	—	Items must be developed	See model
	IPI Math (or alternate program)	II-IV	Placement/ Assessment	—	—	—
	Sullivan Math	II-IV	Assessment	—	Units must be keyed to objectives	—
Math- ematics	Math Diagnostic Test (Kenworthy)	II-IV	Diagnosis	Assessment of related Math objectives	Items must be keyed to objectives	See model
	New Math Self-Testing Cards	II-IV	Assessment	—	Items must be keyed to objectives	See model
	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
	Science - A Process Approach	II-IV	Assessment	—	—	—
Health	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
	Science - A Process Approach	II-IV	Assessment	—	—	—
	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
Soc. Studies	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
Arts and Humanities	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model
PE	Teacher-Made Criterion Tests	II-IV	Assessment	—	Items must be developed	See model

## Preparing Criterion Test Items

Criterion test items are those evaluative measures designed to test the level of achievement on a given objective. In most cases the testing procedure and content are both stated in the objective itself. However, a great deal of variety can be built into the criterion tests, so that work on a single objective may be evaluated in a number of ways.

The process for writing criterion test items begins with the objective. Every objective specifies the content (skill, knowledge, value, or attitude) that the student must acquire. It indicates how the content is going to be demonstrated behaviorally so that it can be observed and measured. Most objectives specify the conditions\* (from memory, using a ruler, etc.) under which the student will perform as well as the degree of accuracy\*\* at which he must perform. Accuracy, especially in the affective domain is not always measurable. The following terminal objective taken from Objectives for Fort Lincoln Elementary School, will be examined and a test item prepared.

→ On an unlabelled map or globe, identifies types of land forms and bodies of water. 4

The content of the objective is land forms and bodies of water, the behavior is identifies, the condition is on an unlabelled map or globe. The teacher (or pupil for optional objectives) is free to assign the degree of accuracy necessary on the test she devises. Some sample tests follow:

\*In many instances, Fort Lincoln objectives do not define the specific conditions, so that teachers will have more flexibility in using the objectives.

\*\*Fort Lincoln teachers will determine the degrees of accuracy they feel appropriate for all objectives.

Test 1: On an outline map of the Western Hemisphere, locate and label at least 8 of the following 10 land forms and bodies of water.

ocean	plateau
isthmus	mountain
peninsula	plains
delta	cape
island	gulf

Work by yourself.

Test 2: Take the unlabelled map of the North American continent and find as many examples as possible of the following land and water forms. Color the land and water forms that you find using the colors listed below. There are at least twenty-five. See if you can find twenty. For example, color the islands red.

islands	red
mountains	purple
rivers	black
plateaus	yellow
lakes	blue
peninsulas	green
deserts	brown
plains	orange
bays	lavendar
oceans	gray

Test 3: Using plaster of paris construct a relief map of an imaginary country. Label all the land and water forms you build. Ask for help if you need it.

These three tests measure competency on the same objective. All objectives can be treated in a similar, flexible fashion. Using an objective from the affective domain, more examples of tests follow.

Respects the integrity and the dignity of other individuals  
(Social Studies #2)

Test 1: Teachers and pupils will fill out the following checklist every 8 weeks and then compare notes.

Check the items which are true of _____ (Student's Name)		TRUE
1.	Does not bully or tease other children	<input type="checkbox"/>
2.	Practices common courtesies such as waiting in line without pushing	<input type="checkbox"/>
3.	Praises or comments in a mannerly way on the achievements of other classmates	<input type="checkbox"/>
4.	Refrains from name calling	<input type="checkbox"/>
5.	Demonstrates appropriate behavior in places such as museums, park, movies, church, ball park	<input type="checkbox"/>

Test 2: The students will be assigned parts which they will act out or role play in short sketches. At the conclusion of each sketch students will discuss their reactions to the roles. They will identify incidents of conflict where the rights of individuals were not respected.

Role playing situations:

- A sixth grader wants to swing. Second graders are using the swings.
- A student is called to the principal's office for breaking a school rule.

- Several children want to watch different T.V. programs.

Father is present and has his choice too.

A final example is taken from the Arts and Humanities.

Given a collection of works in the same medium, selects one to write about or discuss in terms of his reaction to it, the artist, the form, the historical period in which it was done, or a topic of his choice. (Arts #4)

- Test 1: After visits to galleries, the student will select a medium (clay, wood, oils, water colors) and one work in the medium then produce a written report covering areas defined in objective four.
- Test 2: A group of students will select a medium. Each student will select one work in that medium. The group will then organize and present a panel discussion for other students and teachers.
- Test 3: From a collection of classmates' works, a student will select one piece to discuss. He will write from the viewpoint of a contemporary art critic.

It would be possible to continue indefinitely, but these few examples should serve as an adequate model. The guidelines are these:

- The test must reflect the behavior specified in the objective
- The test must show the criteria on which the work is being evaluated.
- Tests should be as varied and interesting as any other daily learning experience

## Using Standardized Tests

One alternative to writing test items for every objective is to adapt standardized tests to match objectives. A teacher can take any standardized test, and label each item or group of items with the appropriate objective.

There are at least two ways in which the teacher might use this system. One, any test which has the items labelled with objectives can be administered as a whole. The teacher, in scoring the test, knows which objectives the student is progressing in and which objectives need additional work. An example of this procedure using the SRA Achievement Series follows.

Two, it is possible to match like items on several tests and to collect a vast reserve of test items appropriate to each objective. For example, all reading tests check students' factual and literal comprehension of sentences and paragraphs. Teachers may collect all these items at various grade levels and develop an entire test sequence for literal comprehension.

Like all routine testing procedures, the administration of standardized tests is for diagnostic and assessment purposes. A school evaluation occasionally may require the use of a norm reference test.

64 Number Problems

D-Add.

6	E-Mult.	D-Add.	F-Div.	D-Sub.	
		177			868
	23	259		333	497
	$\times 8$	$+346$		$-115$	48
			$10\overline{)70}$		$+729$

7	D-Sub.	E-Mult.	E-Mult.	E-Sub.	F-Mult.
	332	450		4037	85
	$-89$	$\times 6$		$-2038$	$\times 10$
			$4\overline{)804}$		

8	E-Mult.				E-Div.
	907	209	84	295	
	$\times 8$	$\times 3$	$\times 7$	$\times 2$	
					$4\overline{)27}$

9	E-Div.	F-Div.		F-Mult.	E-Div.
	$7\overline{)95}$	$8\overline{)360}$	$9\overline{)652}$	$\$1.34 \times 2 =$	$45 \div 7 =$

10	F-Mult.	F-Div.	E-Frs.	
	33		$\frac{3}{5}$	$\frac{1}{2}$
	$\times 71$		$+\frac{1}{5}$	$+\frac{1}{2}$
		$12\overline{)264}$		$-\frac{1}{4}$

## Standardized Tests Recommended For Purchase

Address Orders To: Bureau of Educational Measurements  
Standardized Tests Section  
Kansas State Teachers College  
Emporia, Kansas 66801

<u>Title of Test</u>	<u>Level</u>	<u>Test Form</u>
<u>Achievement Tests:</u>		
Iowa Test of Basic Skills	Grades 3-9	
Metropolitan Achievement Tests	Grade 1	A Primary I
Metropolitan Achievement Tests	Grade 2	A Primary II
Metropolitan Achievement Tests	Grades 3-4	A Elem.
Metropolitan Achievement Tests	Grades 5-6	A Inter.
Metropolitan Achievement Tests	Grades 7, 8, 9	A Advan.
Stanford Achievement Test, 1964 Edition	1.5 - 2.4	W Pri. I
Stanford Achievement Test, 1964 Edition	2.5 - 3.9	W Pri. II
Stanford Achievement Test, 1964 Edition	4.0 - 5.4	W Inter. I
Stanford Achievement Test, 1964 Edition	5.5 - 6.9	W Inter. II
Stanford Achievement Test, 1964 Edition	7.0 - 9.9	W Advan.
SRA Achievement Series	1-2	
SRA Achievement Series	2-4	
SRA Achievement Series	4-6	
SRA Achievement Series	6-9	
Detroit Kindergarten Test	Kinder.	One
Metropolitan Readiness Test	K-1	A
<u>Intelligence/Mental Ability Tests:</u>		
California Short-Form Test of Mental Maturity, 1963 Revision	K-12	One (sep. level each grade)
Detroit Intelligence Tests	2-4	A Primary
Detroit Intelligence Tests	5-9	S Alpha.
Detroit Intelligence Tests	9-12	W Advan.
Detroit Beginning First-Grade Intelligence Test (Revised)	Grade 1	One
Henmon-Nelson Test of Mental Ability (Self-Scoring) Revised	3-6	A Elem.
Henmon-Nelson Test of Mental Ability	6-9	A Inter.
Henmon-Nelson Test of Mental Ability	9-12	A High
Kuhlmann-Finch Intelligence Tests	Grades 1-12	One form for each of the following grades: I, II, III, IV, V, VI, Junior High School, Senior High School



Otis Self-Administering Tests of Mental Ability	5-9	A	Inter.
Otis Self-Administering Tests of Mental Ability	9-12	A	Higher
Otis-Lennon Mental Ability Test	Last 1/2 of kindergarten	J	Primary I
Otis-Lennon Mental Ability Test	1st 1/2 of grade 1	J	Primary II
Otis-Lennon Mental Ability Test	G 1.6 - 3.9	J	Elem. I
Otis-Lennon Mental Ability Test	G 4.0 - 6.9	J	Elem. II
Otis-Lennon Mental Ability Test	G 7.0 - 9.9	J	Inter.
Otis-Lennon Mental Ability Test	G 10.0 - 12.9	J	Advan.
Otis Quick-Scoring Mental Ability Tests New Edition	1-12		Alpha A-s (Gds. 1-4), Beta EM (Gds. 4-9), Gamma FM (Gds. 9-12)
Peabody Picture Vocabulary Test	6 mos - 18 years	A	
Pintner-Cunningham Primary Test	K, 1, 2	A	
Revised Stanford-Binet Scales, 3rd Edition - 1960	2 years - to superior adult	L - M	

#### Subject Area Tests:

##### Arithmetic

Emporia Primary Arithmetic Test	Grade 1	IA, IIA
Emporia Elementary Arithmetic Test	Grade II-III	IA, IIA
Emporia Intermediate Arithmetic Test	Grade IV-VI	IA, IIA
Emporia Junior High School Arithmetic Test	Grade VII-VIII	IA, IIA

##### Reading

Gates MacGinitie Reading Tests	1-3	I	Primary A (Gd. 1) Primary B (Gd. 2) Primary C (Gd. 3)
Gates Reading Readiness Test	K-1	One	
Iowa Silent Reading Test	Elem. IV-VIII Adv. IX-XII, college	CM  AM	
Emporia Primary Reading Test	1	IA, IIA	
Emporia Elementary Reading Test	II-III	IA, IIA	
Emporia Intermediate Reading Test	IV-VI	IA, IIA	
Emporia Junior High School Reading	VII-VIII	IA, IIA	

##### Spelling

Kansas Elementary Spelling Test	III	IA, IIA
Kansas Intermediate Spelling Test	IV-VI	IA, IIA
Kansas Junior High Spelling Test	VII-VIII	IA, IIA

English

Hoyum-Sanders Elementary English Test	Grade II-IV	IA, IIA
Hoyum-Sanders Intermediate English Test	Grade V-VI	IA, IIA
Hoyum-Sanders Junior High English Test	Grade VII-VIII	IA, IIA

Science

Borman-Sanders Elementary Science Test	V-VIII	IA, IIA
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Health

Emporia Elementary Health	Grade VI-VIII	IA, IIA
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Social Studies

Hollingsworth-Sanders Geography Test	V-VII	IA, IIA
Hollingsworth-Sanders Intermediate History Test	V-VI	IA, IIA
Meares-Sanders Junior High History Test	VII-VIII	IA, IIA
Zimmerman-Sanders Social Studies Test	VII-VIII	IA, IIA

Aptitude Tests:

Detroit Clerical Aptitudes Examination	Jr., Sr. High	One
Kuder Vocational Interest Preference Record	Jr., Sr, College adults	CH
Minnesota Clerical Test	Grade 7-12	One

## COMBAT — A Source of Assessment Test Items

The Portland, Oregon, Public School\* system is building extensive test item files, to be matched to relevant objectives, for incorporation into a program of computer assisted test construction which the Metropolitan Area Testing Program is developing. This program is known by the acronym COMBAT (Computer Based Achievement Testing). COMBAT is a system which permits a teacher to describe an instructional test needed for student assessment at a specific moment. She can describe this test either in terms of the behavioral objectives on which it should focus or in terms of the topical contents desired. The computer then selects, from the files, a sampling of items that fit her blueprint. These can be delivered for preliminary inspection, or can emerge in the form of ditto masters ready for use. The system is presently expanding operations to include more subject matter areas and test items. At the moment it takes a teacher a five minute phone call and a two day wait for the mail to bring her a test.

The Portland Schools will trade test items with other school systems. Developers hope to collect one hundred thousand items at all grade levels to make the system effective.

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\* Portland Public Schools (Testing Service), 220 Northeast Beech Street,  
Portland, Oregon 97212

### Boehm Test of Basic Concepts

The Boehm Test is recommended by the Psychological Corporation for use with kindergarten, first, and second graders. The instrument tests a student's aural comprehension of relatively abstract concepts found by developers to be frequently used during the early years of learning. It is not intended to be an intelligence or readiness test. Rather, it will provide Stage I and II teachers with additional information on concept development and will indicate which students need special help with these words.

The test takes less than an hour, can be administered to groups, and contains about fifty items represented pictorially. Students respond by marking the correct picture. Additional information follows.

# BOEHM

Ann E. Boehm

## TEST of basic concepts

This pamphlet is a reprint of the section of the Manual pertaining to the administration of Form A of the *Boehm Test of Basic Concepts*. Information on scoring is provided in the complete Manual and also on the Class Record Form. Copies of this pamphlet are supplied upon request in sufficient quantity so that each test administrator can have one.

### HOW TO ADMINISTER THE TEST

Administering the *Boehm Test of Basic Concepts* is simple and straightforward. The instrument consists of 50 pictorial items arranged in approximate order of increasing difficulty and divided evenly between two booklets, each containing 3 sample questions followed by 25 test questions. Booklet 2 is more difficult than Booklet 1. Each item consists of a set of pictures, about which statements are read aloud to the children by the examiner. The statements briefly describe the pictures and instruct the children to mark the one that illustrates the concept being tested.

Each of the booklets requires approximately 15 to 20 minutes to administer to kindergarten classes. This time estimate includes the time needed for giving general instructions and reviewing the sample questions. Older groups should require somewhat less time than younger classes.

Experience with the tryout and standardization groups has indicated that most children become interested in the test and enjoy taking it, so that holding the children's attention, even at the kindergarten level, is usually not difficult. Both booklets may be administered at a single session if the children remain attentive. However, there is considerable advantage in administering the *BTBC* in two separate sessions if the children are very young or

lack the attention span required to respond alertly to all 50 items of the test at a single sitting. *This decision should be made before starting the second booklet, since a booklet once begun should be completed in the same session.* A booklet should not be split between two sessions.

If very young children who are unfamiliar with handling and marking workbooks are being tested, small groups of 8 to 12 children are generally advisable. When large groups are being tested, it is helpful to have teachers' aides or proctors assist the children to write their names, check responses to the sample questions, turn pages and find their place, and so forth. (Alternatively, the teacher may wish to write the children's names on the booklets in advance and make a corresponding adjustment in the directions given to the children.)

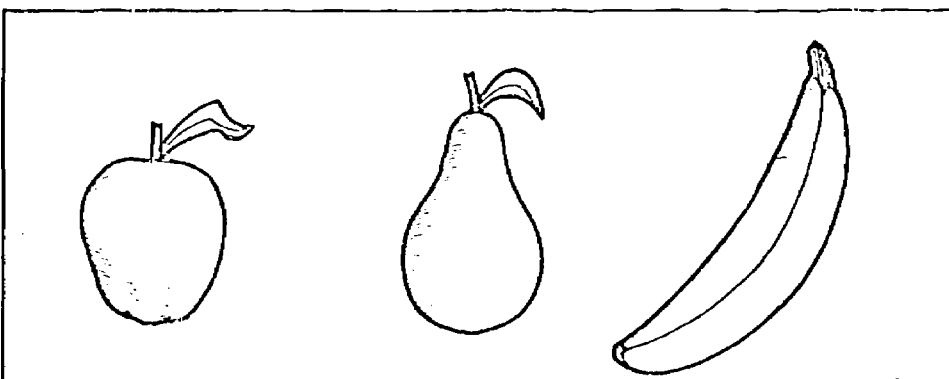
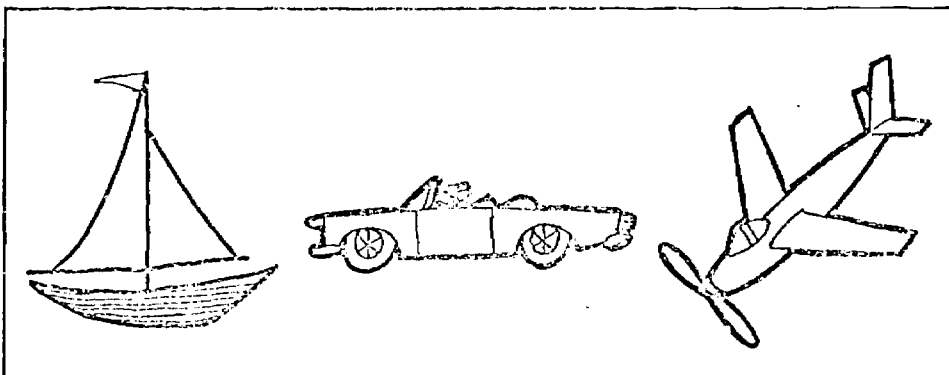
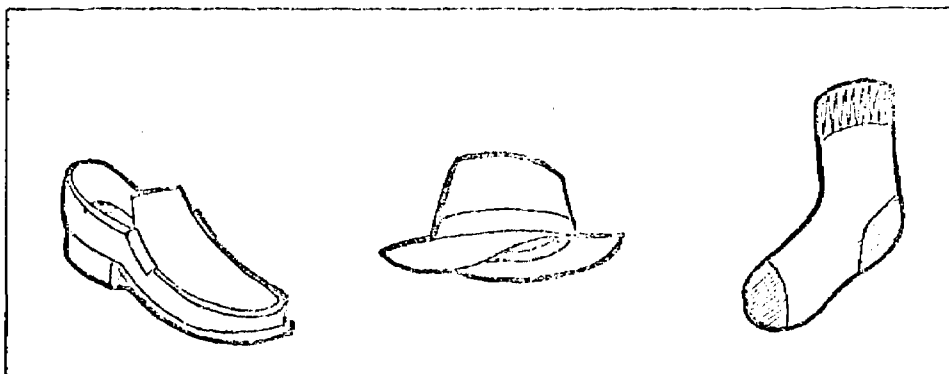
The testing materials consist of (a) the Manual and a demonstration copy of each test booklet for the teacher, and (b) two test booklets plus a crayon or pencil for each child.

Before beginning the test, seat the children as far apart as possible, and give each pupil a pencil or crayon. Using the demonstration booklet, begin with the 3 sample questions. When these have been completed, check each child's responses and have him correct any errors before proceeding to the test questions.

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THE PSYCHOLOGICAL CORPORATION, 301 East 45th Street, New York, N.Y. 10017

NAME \_\_\_\_\_



# BOEHM TEST OF BASIC CONCEPTS

Ann E. Boehm

## Test Scoring Machines

Since testing will be an integral part of the learning system at Fort Lincoln and test grading is frequently a bane to teachers, we have investigated ways of simplifying the test grading process. In evaluating the various test scoring machines we have used the following criteria:

- low cost for both hardware and software
- flexibility in use and easy maintenance
- allows teachers to develop their own tests
- can be scored by others besides teacher
- provides individual wrong answers, not just a score of percentage of correct answers for test

The best single test scoring system which meets all of these criteria is the Quick Response System (QRS).

Both QRS hardware and software are inexpensive enough that for less than three hundred dollars (\$300) materials could be purchased so that thirty students could take tests simultaneously. With other systems the cost of the hardware (one machine) alone may be nearly \$1,000.

The QRS equipment consists of individual boxes made so that the student records his answers on cards using a stylus to punch the correct answer. Compact and durable, repairs can be made by teachers and since no individual component costs over ten dollars, the worry over loss is lessened.

A Teachers' Manual is available showing various methods for equipment use and ways for teachers to develop tests. One method particularly applicable to Fort Lincoln is the use of "Color Coded Instruction" to develop pre tests

keyed to existing texts and materials. (This method is described on pages 23-29 of the attached Teachers' Manual.)

Tests can be scored by students, aides, and teachers after they learn the scoring process. Individual wrong answers are recorded and the scorer must compute the right answer percentage or note the number of correct answers. Scoring involves practice in manual activity and a certain amount of arithmetic. Permanent answer cards can be made to simplify the scoring process.

The device can be used for printed tests and tests presented by other means such as a test put on a slide projector or a cassette recorder.

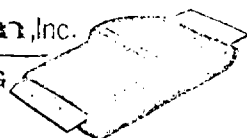
Descriptive information and the Teachers' Manual are attached. More information is available from Quick Response System, Box 90, Falls Church, Virginia 22046.



# QRS

## Quick Response System, Inc.

### EASY, ACCURATE OBJECTIVE TESTING



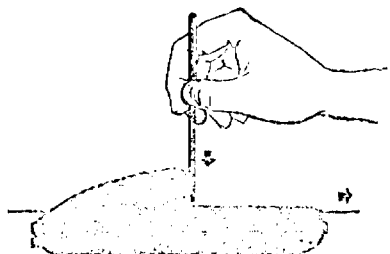
#### SPARKS STUDENT INTEREST

Testing becomes a learning experience. Instant scoring enables the student to learn from his mistakes, correct them while his interest is still high.

#### SAVES TEACHER'S TIME

Tests are graded in class. Instant scoring eliminates this "homework" for teachers, providing additional time for teaching or class preparation.

#### EASY TESTING

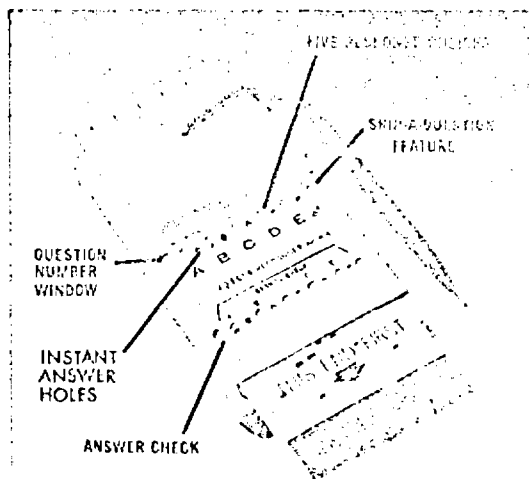


**THE QRS RESPONDER BOX** is designed to make testing easy and accurate. Students can answer only one question at a time. As each question is answered, the test card automatically advances to the next question.

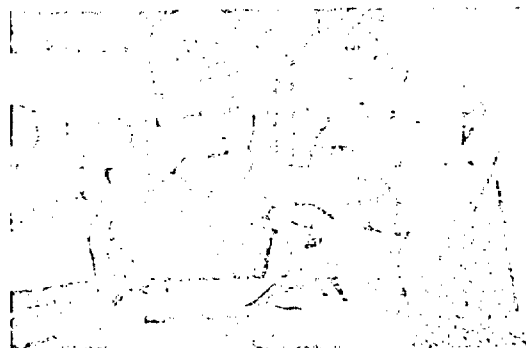
**SKIP-A-QUESTION** feature allows the student to by-pass a difficult question and come back to it later.

**ANSWER CHECK** line aids the student in reviewing his answers before turning in his test card.

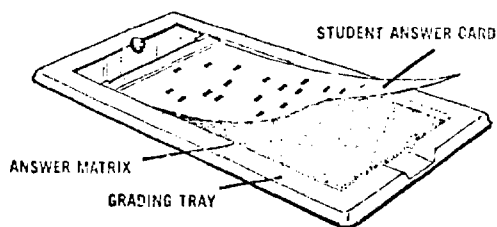
A student may change his answer by circling the wrong response and punching a new choice.



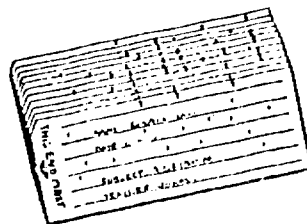
**QRS** is "cheat resistant." Students cannot read another's response card and cannot change an answer without identifying the change.



**INSTANT SCORING** of student Response Cards saves time. It takes less than ten seconds to score a test. Less than five minutes to score 30 cards!



**ANSWER MATRIX** is prepared by teacher in two minutes. There is no pre-set pattern required by the system, which might restrict the test or give away clues to answers.

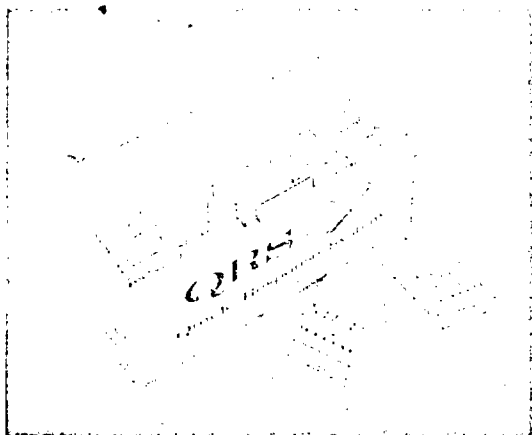


#### QUICK FEEDBACK

Student Response Cards are designed to "Tell-at-a-glance" how the whole class responded to each question, and where additional instruction is needed.

#### TEACHING TOOL

In addition to testing, the QRS Responder can be used for programmed instruction. The QRS Responder can be set to reveal the correct answer immediately after each response. Student can rapidly tally "self scoring" cards without grading tray or master card.



**STORAGE AND CARRING BOX** contains ten Q.R.S. responders. Weighs less than 5 lbs. Carton supplied without additional charge. One person can easily transport all materials for a class of 40 students. Permits sharing of the Quick Response System among four or five teachers.

#### SUGGESTED ORDER TO SERVE 30 STUDENT Classes

30 QRS Responder boxes	\$ 8.75 ea.	\$262.50
2 Grading Trays	1.00 ea.	2.00
1 Box of 2,000 Cards (Style A or B)	20.00 box	20.00
2 Pkg. Master Answer Cards (Style A or B, 100 pks.)	2.50 pkg.	5.00
Total		\$289.50

When shared among 5 teachers the investment is less than \$60. per classroom.\* If each teacher gives 1 test per week the cost of cards is less than \$15 per year.

#### SUGGESTED ORDER FOR FOUR SETS OF 30 Responders each (shared among 20 teachers)

120 QRS Responder boxes	\$ 7.65 ea.	\$918.00
8 Grading Trays	1.00 ea.	8.00
2 Boxes of 2,000 style "A"	20.00 ea.	40.00
1 Box of 2,000 style "B"	20.00 ea.	20.00
3 Pkg. "A" Master Answer Cards	2.50 ea.	7.50
2 Pkg. "B" Master Answer Cards	2.50 ea.	5.00
Total		\$990.50

When shared among 20 teachers the investment is less than \$50.00 per classroom\*.

\* The QRS Responder has a life expectancy similar to a good textbook. If it is assumed to be three years the investment will be reduced to under \$29.00 per classroom.

**QRS** Quick Response System  
Box 90, Falls Church, Va. 22046

## EASY TESTING

The **QRS** system can be used with any existing multiple-choice test or can be prepared by the teacher. Questions can be oral, written, printed on test sheets, or projected on a screen.

## PRICE LIST

### Responder Boxes

Quantity	Price
10 99	\$8.75
100 249	7.65
250 999	7.00
1,000 +	6.30

(Minimum Order 10)

### Grading Tray

With Slide

Price each	\$3.50
With each 10 Responder Boxes ordered	\$1.00

### Answer Cards

"Style A" or "Style B" Student Answer Cards packed 2,000 to a box.

Per box \$20.00

### Master Answer Cards

"Style A" or "Style B" Master Answer Cards. All one style in package.

Package of 100	\$ 2.50
Box of 2,000	\$30.00

Prices Subject To Change Without Notice